

SAFETY DATA SHEET

CERAVE ACNE CLEANSER

Version 1.0 Revision Date: 02/14/2024 SDS Number: 00-59-400000176609 Date of last issue: -
Date of first issue: 02/14/2024

SECTION 1. IDENTIFICATION

Product name : CERAVE ACNE CLEANSER

Formula Center Reference : 2051506 66

Manufacturer or supplier's details

Address : L'Oreal USA Products, Inc
133, Terminal Avenue
Clark, NJ 07066
USA

Telephone : 1-732-499-2745

E-mail address : CORPREGAFFAIRSMSDS@LOREAL.COM

Emergency telephone

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 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin irritation : Category 2

Serious eye damage : Category 1

Reproductive toxicity : Category 2

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H315 Causes skin irritation.

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H318 Causes serious eye damage.
H361d Suspected of damaging 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 soap and 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 Take off contaminated clothing and wash before reuse.

Storage:

P405 Store locked up.

Disposal:

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

Additional Labeling

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 1.3 %

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components

Chemical name	CAS-No.	Concentration (% w/w)
COCAMIDOPROPYL HYDROXYSULTAINE	1469983-50-3	>= 5 - < 10
GLYCERIN	56-81-5	>= 5 - < 10
SODIUM LAUROYL SARCOSINATE	137-16-6	>= 1 - < 5
NIACINAMIDE	98-92-0	>= 1 - < 5
SALICYLIC ACID	69-72-7	>= 1 - < 5
SODIUM METHYL COCOYL TAURATE	1471313-51-5	>= 1 - < 5

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GLUCONOLACTONE	90-80-2	$\geq 1 - < 5$
SODIUM COCOYL ISETHIONATE	61789-32-0	$\geq 1 - < 5$
SODIUM HYDROXIDE	1310-73-2	$\geq 0.5 - < 1$

Actual concentration 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 the unborn child.
- 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.

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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 stability : No decomposition if stored and applied as directed.

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, respirable fraction)	5 mg/m ³	OSHA Z-1
		TWA (mist, total dust)	15 mg/m ³	OSHA Z-1
		TWA (Mist - total dust)	10 mg/m ³	OSHA P0
		TWA (Mist - respirable fraction)	5 mg/m ³	OSHA P0
SODIUM HYDROXIDE	1310-73-2	C	2 mg/m ³	ACGIH
		C	2 mg/m ³	NIOSH REL
		TWA	2 mg/m ³	OSHA Z-1
		C	2 mg/m ³	OSHA P0

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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

Form : gel

Color : beige

Odor : characteristic

pH : 5.3 - 5.9

Melting point/freezing point : No data available

Boiling point/boiling range : Not available

Flash point : > 199 °F / > 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

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Relative vapor density : No data available

Relative density : 0.997 - 1.003 (68 °F / 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

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: > 5,000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: 12.24 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

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Components:

COCAMIDOPROPYL HYDROXYSULTAINE:

Acute oral toxicity : LD50 (Rat, male and female): 2,950 mg/kg
Method: OECD Test Guideline 401
Remarks: Based on data from similar materials

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
Remarks: Based on data from similar materials

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

NIACINAMIDE:

Acute oral toxicity : LD50 (Rat, male and female): 2,000 mg/kg
Method: OECD Test Guideline 423
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : LC50 (Rat, male and female): > 3.8 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 436
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 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

Acute inhalation toxicity : LCLo (Rat, female): 0.7 mg/l
Exposure time: 7 h
Test atmosphere: vapor

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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

SODIUM METHYL COCOYL TAURATE:

Acute oral toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 401
Assessment: The substance or mixture has no acute oral toxicity
Remarks: Based on data from similar materials

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
Remarks: Based on data from similar materials

GLUCONOLACTONE:

Acute oral toxicity : LD50 (Rat, male and female): 6,060 mg/kg
Method: OECD Test Guideline 401
Assessment: The substance or mixture has no acute oral 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

SODIUM COCOYL ISETHIONATE:

Acute oral toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 401
Assessment: The substance or mixture has no acute oral toxicity

SODIUM HYDROXIDE:

Acute oral toxicity : LD50 (Rabbit): 325 mg/kg
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : (Rat, male): 0.75 mg/l
Exposure time: 2 h
Test atmosphere: dust/mist

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Skin corrosion/irritation

Causes skin irritation.

Product:

Remarks : May cause skin irritation in susceptible persons.

Components:

COCAMIDOPROPYL HYDROXSULTAINE:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
Remarks : Based on data from similar materials

SODIUM LAUROYL SARCOSINATE:

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

NIACINAMIDE:

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

SALICYLIC ACID:

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

SODIUM METHYL COCOYL TAURATE:

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

GLUCONOLACTONE:

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

SODIUM COCOYL ISETHIONATE:

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

SODIUM HYDROXIDE:

Species : reconstructed human epidermis (RhE)
Method : OECD Test Guideline 435

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Result : Corrosive after 3 minutes or less of exposure

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks : May cause irreversible eye damage.

Components:

COCAMIDOPROPYL HYDROXYSULTAINE:

Species : Rabbit
Result : Irreversible effects on the eye
Method : OECD Test Guideline 405
Remarks : Based on data from similar materials

SODIUM LAUROYL SARCOSINATE:

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

NIACINAMIDE:

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

SALICYLIC ACID:

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

SODIUM METHYL COCOYL TAURATE:

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

GLUCONOLACTONE:

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

SODIUM COCOYL ISETHIONATE:

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

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SODIUM HYDROXIDE:

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

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Components:

COCAMIDOPROPYL HYDROXYSULTAINE:

Routes of exposure : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Does not cause skin sensitization.
Remarks : Based on data from similar materials

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.

NIACINAMIDE:

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.

SODIUM METHYL COCOYL TAURATE:

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

GLUCONOLACTONE:

Routes of exposure : Skin contact
Species : Mouse
Method : OECD Test Guideline 429

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Result : Does not cause skin sensitization.

SODIUM COCOYL ISETHIONATE:

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

SODIUM HYDROXIDE:

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

Germ cell mutagenicity

Not classified based on available information.

Components:

COCAMIDOPROPYL HYDROXYSULTAINE:

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.

NIACINAMIDE:

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.

SODIUM METHYL COCOYL TAURATE:

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

GLUCONOLACTONE:

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

SODIUM COCOYL ISETHIONATE:

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

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SODIUM HYDROXIDE:

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

Carcinogenicity

Not classified based on available information.

Components:

GLUCONOLACTONE:

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Suspected of damaging the unborn child.

Components:

COCAMIDOPROPYL HYDROXYSULTAINE:

Effects on fertility : Species: Rat
Fertility: NOAEL: 300 mg/kg body weight
Method: OECD Test Guideline 422
Remarks: Based on data from similar materials

Effects on fetal development : Species: Rat
Developmental Toxicity: 600
Method: OECD Test Guideline 414
Result: No adverse effects.
Remarks: Based on data from similar materials

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

SODIUM LAUROYL SARCOSINATE:

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

NIACINAMIDE:

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

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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.

SODIUM METHYL COCOYL TAURATE:

Effects on fertility : Species: Rat
Fertility: NOAEL: 1,000 mg/kg body weight
Method: OECD Test Guideline 421
Remarks: Based on data from similar materials

Effects on fetal development : Species: Rat
Developmental Toxicity: 1,000
Method: OECD Test Guideline 414
Result: No adverse effects.
Remarks: Based on data from similar materials

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

GLUCONOLACTONE:

Effects on fetal development : Species: Rat
Developmental Toxicity: 594
Method: OECD Test Guideline 414
Result: No adverse effects.

SODIUM COCOYL ISETHIONATE:

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

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Components:

SODIUM LAUROYL SARCOSINATE:

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

NIACINAMIDE:

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

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SALICYLIC ACID:

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

GLUCONOLACTONE:

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

SODIUM COCOYL ISETHIONATE:

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

Repeated dose toxicity

Components:

COCAMIDOPROPYL HYDROXYSULTAINE:

Species : Rat, male and female
NOAEL : 600 mg/kg
Application Route : Oral
Exposure time : 14 d
Method : OECD Test Guideline 422
Remarks : Based on data from similar materials

SODIUM METHYL COCOYL TAURATE:

Species : Rat, male and female
NOAEL : 750 mg/kg
Application Route : Oral
Exposure time : 90 d
Method : OECD Test Guideline 408
Remarks : Based on data from similar materials

GLUCONOLACTONE:

Species : Rat, male
NOAEL : 2000 mg/kg
Application Route : Oral
Exposure time : 6 Months
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.

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

COCAMIDOPROPYL HYDROXYSULTAINE:

- Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 2.12 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
Remarks: Based on data from similar materials
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 4.6 mg/l
Exposure time: 48 h
Method: Regulation (EC) No. 440/2008, Annex, C.2
Remarks: Based on data from similar materials
- Toxicity to algae/aquatic plants : EC50 (Skeletonema costatum (marine diatom)): 2.69 mg/l
Exposure time: 72 h
Method: ISO 10253
Remarks: Based on data from similar materials
- Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): 0.075 mg/l
Exposure time: 32 d
Method: OECD Test Guideline 210
Remarks: Based on data from similar materials
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 1.39 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211
Remarks: Based on data from similar materials
- Toxicity to microorganisms : (activated sludge): 1,328 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209
Remarks: Based on data from similar materials

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

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Method: OECD Test Guideline 209

NIACINAMIDE:

- Toxicity to fish : LC50 (*Poecilia reticulata* (guppy)): > 1,000 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): > 1,000 mg/l
Exposure time: 24 h
Method: OECD Test Guideline 202
- Toxicity to microorganisms : NOEC (*Pseudomonas putida*): 4,235 mg/l
Exposure time: 18 h
Method: OECD Test Guideline 209

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 toxicity) : NOEC (*Daphnia magna* (Water flea)): > 10 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211
- Toxicity to microorganisms : EC10 (*Pseudomonas putida*): 140 mg/l
Exposure time: 16 h

SODIUM METHYL COCOYL TAURATE:

- Toxicity to fish : LC50 (*Danio rerio* (zebra fish)): 5.04 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 7.46 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : EC50 (*Desmodesmus subspicatus* (green algae)): 36.2 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (*Daphnia magna* (Water flea)): 4 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211

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Toxicity to microorganisms : (activated sludge): 180 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

GLUCONOLACTONE:

Toxicity to fish : LC50 (*Oryzias latipes* (Japanese medaka)): > 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): > 1,000 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 microorganisms : NOEC (activated sludge): 649.8 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

SODIUM COCOYL ISETHIONATE:

Toxicity to fish : LC50 (*Oncorhynchus mykiss* (rainbow trout)): > 25 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): > 32 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (*Pseudokirchneriella subcapitata* (green algae)): \geq 4.8 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

NOELR (*Pseudokirchneriella subcapitata* (green algae)): \geq 0.31 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to microorganisms : IC50 (activated sludge): > 1,000 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

SODIUM HYDROXIDE:

Toxicity to fish : LC50 (*Carassius auratus* (goldfish)): 35 mg/l
Exposure time: 24 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Ceriodaphnia dubia* (water flea)): 40.4 mg/l
Exposure time: 48 h

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Toxicity to microorganisms : EC10 (Tetrahymena pyriformis): 161 mg/l
Exposure time: 0.03 h

Persistence and degradability

Components:

COCAMIDOPROPYL HYDROXYSULTAINE:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 57 %
Exposure time: 28 d

GLYCERIN:

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

SODIUM LAUROYL SARCOSINATE:

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

NIACINAMIDE:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 96 %
Exposure time: 14 d
Method: OECD Test Guideline 301E

SALICYLIC ACID:

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

SODIUM METHYL COCOYL TAURATE:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 82 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

GLUCONOLACTONE:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 89 %
Exposure time: 28 d

SODIUM COCOYL ISETHIONATE:

Biodegradability : Result: Readily biodegradable.

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Biodegradation: 78 %
Exposure time: 28 d
Method: OECD Test Guideline 301D

Bioaccumulative potential

Components:

COCAMIDOPROPYL HYDROXYSULTAINE:

Partition coefficient: n-octanol/water : log Pow: 2.1
pH: 7.6
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

NIACINAMIDE:

Bioaccumulation : Bioconcentration factor (BCF): 3.16

Partition coefficient: n-octanol/water : log Pow: -0.38
Method: OECD Test Guideline 117

SALICYLIC ACID:

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

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

SODIUM METHYL COCOYL TAURATE:

Partition coefficient: n-octanol/water : log Pow: 0.24
pH: 6.4
Method: Regulation (EC) No. 440/2008, Annex, A.8

GLUCONOLACTONE:

Partition coefficient: n-octanol/water : log Pow: -2.38

SODIUM COCOYL ISETHIONATE:

Partition coefficient: n-octanol/water : log Pow: -0.41
pH: 7

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Mobility in soil

No data available

Other adverse effects

Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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

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.

SECTION 14. TRANSPORT INFORMATION

Domestic regulation

49 CFR

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.

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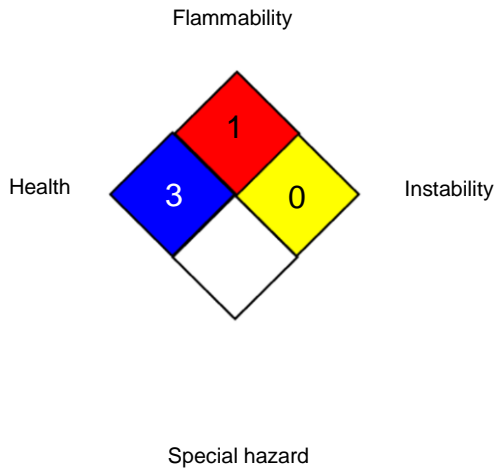
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1.0

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NFPA 704:



HMIS® IV:

HEALTH	*	3
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA P0	:	USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / C	:	Ceiling limit
NIOSH REL / C	:	Ceiling value not be exceeded at any time.
OSHA P0 / TWA	:	8-hour time weighted average
OSHA P0 / C	:	Ceiling limit
OSHA Z-1 / TWA	:	8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC

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- No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; 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

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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