

Nipaguard SCS

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Substance key: 000000562467

Revision Date: 10/23/2015

Version : 2 - 1 / USA

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SECTION 1. IDENTIFICATION

Identification of the company:	Clariant Corporation 4000 Monroe Road Charlotte, NC, 28205 Telephone No.: +1 704 331 7000
Information of the substance/preparation:	BU ICS Product Stewardship 1-704-331-7710
Emergency tel. number:	+1 800-424-9300 CHEMTREC

Trade name:	Nipaguard SCS
Material number:	290169
Primary product use:	Raw material
Chemical family:	Cosmetic Preservative Blend

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin irritation : Category 2

Serious eye damage : Category 1

GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements : H315 Causes skin irritation.
H318 Causes serious eye damage.Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ 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 or doctor/ physician.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.

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Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture • Mixture

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
1-Deoxy-1-(methyl-(C8-10-(even)-alkanoyl)amino)- D-Glucitol	Not Assigned	<= 25
Poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-C12-14-alkyl ethers, phosphates	68511-37-5	<= 25
Piroctone Olamine	68890-66-4	<= 10

SECTION 4. FIRST AID MEASURES

- If inhaled : Move the victim to fresh air.
Give oxygen or artificial respiration if needed.
Get immediate medical advice/ attention.
Never give anything by mouth to an unconscious person.
- In case of skin contact : Remove contaminated clothing without delay. Immediately wash the skin with soap and water for at least 15 minutes under a safety shower. If redness or skin irritation occurs, seek medical attention.
- In case of eye contact : Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.
- If swallowed : If conscious, give the patient 1-2 glasses of water (8-16 oz.) and call a doctor. Never give anything by mouth to an unconscious person. Induce vomiting only at the instructions of a doctor or nurse.
- Most important symptoms and effects, both acute and delayed : None known.
- Notes to physician : None known.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : water
Alcohol-resistant foam
Carbon dioxide (CO2)

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Dry chemical
Water spray

Specific hazards during firefighting : Thermal decomposition may generate carbon dioxide, carbon monoxide, and oxides of nitrogen.

Burning produces noxious and toxic fumes.

Further information : Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus and full protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Toxic to aquatic organisms.
Wearing appropriate personal protective equipment, contain spill, collect onto inert absorbent, and place in a suitable container.
Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Store in a closed container.
Avoid contact with skin and eyes.
Do not breathe vapours.
Store above 32 F and below 104 F.

Technical measures/Precautions : Store in original container.
Keep container tightly closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Engineering measures : Local ventilation recommended - mechanical ventilation may be used.

Personal protective equipment

Respiratory protection : If airborne concentrations pose a health hazard, become irritating or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134

Hand protection
Remarks : Neoprene Nitriles

Eye protection : Tightly fitting safety goggles

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Skin and body protection : Wear suitable protective equipment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid

Colour : yellow to amber

pH : 8.5
Concentration: 10 g/l Method: Ethanol/Water 1:1

Freezing point : not determined

Boiling point : not determined

Flash point : > 100 °C

Upper explosion limit : not tested.

Lower explosion limit : not tested.

Density : 1.1 g/cm³ (22 °C)

Auto-ignition temperature : not tested.

Decomposition temperature : not tested.

SECTION 10. STABILITY AND REACTIVITY

Chemical stability : Stable

Possibility of hazardous reactions : Stable

Conditions to avoid : Strong oxidizing agents

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Eye contact
Skin contact
Inhalation
Ingestion
Skin Absorption

Acute toxicity**Product:**

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Acute oral toxicity :
Acute toxicity estimate: 3,556 mg/kg
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Components:**Piroctone Olamine:**

Acute oral toxicity : LD50 (Rat, female): 8,100 mg/kg
Method: OECD Test Guideline 401
GLP: no

LD50 (Dog, male and female): > 4,000 mg/kg
Method: OECD Test Guideline 401
GLP: no

Acute inhalation toxicity : LC50 (Rat): > 4.9 mg/l
Exposure time: 14 d
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
GLP: yes

Acute dermal toxicity : LD50 (Rats (Male/Female)): > 2,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes

Skin corrosion/irritation**Product:**

Species: Rabbit

Result: Irritating to skin.

Remarks: The product has not been tested. The information is derived from the properties of the individual components.

Components:**Piroctone Olamine:**

Species: Rabbit

Exposure time: 4 h

Method: OECD Test Guideline 404

Result: irritating

GLP: yes

Serious eye damage/eye irritation**Product:**

Species: rabbit eye

Result: Risk of serious damage to eyes.

Remarks: The product has not been tested. The information is derived from the properties of the individual components.

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Components:**Piroctone Olamine:**

Species: rabbit eye
Result: strongly irritant
Exposure time: 5 min - 24 h
Method: FDA guideline
GLP: no

Respiratory or skin sensitisation**Product:**

Remarks: not tested.

Components:**Piroctone Olamine:**

Test Type: Buehler Test
Species: Guinea pig
Method: OECD Test Guideline 406
Result: non-sensitizing
GLP: no

Test Type: Guinea pig maximization test
Species: Guinea pig
Method: Magnusson/Kligman
Result: non-sensitizing
GLP: no

Test Type: Patch Test 24 Hrs.
Species: Humans
Method: tests on human beings
Remarks: Patch test on human volunteers did not demonstrate sensitisation properties.

Germ cell mutagenicity**Components:****Piroctone Olamine:**

Genotoxicity in vitro : Test Type: HGPRT assay
Species: V79 cells (embryonic lung fibroblasts) of the Chinese hamster
Concentration: 0,05 - 250 µg/ml
Metabolic activation: with and without
Method: OECD Test Guideline 476
Result: negative
GLP: yes

: Test Type: Ames test
Species: Salmonella typhimurium
Concentration: 2 - 500 µg/plate
Metabolic activation: with and without
Method: OECD Test Guideline 471

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Result: negative

GLP: no

Genotoxicity in vivo

: Test Type: Chromosome Aberration Test
Species: Chinese hamster (male and female)
Cell type: Bone marrow cells
Application Route: oral (gavage)
Exposure time: single application
Dose: 3500 mg/kg
Method: OECD Test Guideline 475
Result: negative
GLP: no

Test Type: Micronucleus test

Species: Mouse (male)

Strain: ICL-ICR

Cell type: Bone marrow cells

Application Route: Intraperitoneal injection

Exposure time: <= 4 d

Dose: 15,6 - 31,3 - 62,5 - 125 mg/kg

Method: OECD Test Guideline 474

Result: negative

GLP: no

Germ cell mutagenicity -
Assessment

: It is concluded that the product is not mutagenic based on
evaluation of several mutagenicity tests.

Carcinogenicity**Components:****Piroctone Olamine:**Carcinogenicity -
Assessment

: No evidence of carcinogenicity in animal studies.

Reproductive toxicity**Components:****Piroctone Olamine:**

Effects on fertility

:
Test Type: Fertility
Species: Rat
Sex: male and female
Dose: 20 - 50 - 100 - 500 mg/kg
Exposure time: 70 d
Frequency of Treatment: daily
Application Route: subcutaneous
Group: yes
NOAEL: > 100 mg/kg,
Method: Other
GLP: yes

Effects on foetal
development

: Species: Rabbit, female
Application Route: oral (gavage)

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Exposure time: 13 d
Dose: 16 - 32 - 63 mg/kg
Group: yes
> 63 mg/kg
> 63 mg/kg
Number of exposures: daily
Test period: until day 29 of pregnancy
Method: OECD Test Guideline 414
GLP: yes

Reproductive toxicity - Assessment : No teratogenic effects to be expected.

No reproductive toxicity to be expected.

STOT - single exposure**Components:****Piroctone Olamine:**

Remarks: Based on available data, the classification criteria are not met.

STOT - repeated exposure**Components:****Piroctone Olamine:**

Remarks: Based on available data, the classification criteria are not met.

Repeated dose toxicity**Components:****Piroctone Olamine:**

Species: Rat, male and female
NOAEL: 100 - 500 mg/kg
Application Route: subcutaneous
Exposure time: 5 Wochen
Number of exposures: daily
Dose: 100 - 500 - 2000 mg/kg
Subsequent observation period: 2 Wochen
Method: OECD Test Guideline 410
GLP: no

Species: Rat, male and female
NOAEL: 100 mg/kg
Application Route: oral (gavage)
Exposure time: 90 Tage
Number of exposures: daily, 5 days per week
Dose: 40 - 100 - 250 mg/kg
Method: OECD Test Guideline 408
GLP: no

Species: Dog, male and female
NOAEL: 100 mg/kg
Application Route: oral (feed)

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Exposure time: 90 Tage
Number of exposures: daily
Dose: 16 - 40 - 100 mg/kg
Method: OECD Test Guideline 409
GLP: no

Aspiration toxicity**Components:****Piroctone Olamine:**

No aspiration toxicity classification

Experience with human exposure**Components:****Piroctone Olamine:**

General Information : When used as intended, no effects to health are expected.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****Piroctone Olamine:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 1.89 mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: OECD Test Guideline 203
GLP: yes
Remarks: The details of the toxic effect relate to the nominal concentration.

NOEC (Danio rerio (zebra fish)): 0.89 mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: OECD Test Guideline 203
GLP: yes
Remarks: The details of the toxic effect relate to the nominal concentration.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.8 mg/l
Exposure time: 48 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes
Remarks: The details of the toxic effect relate to the nominal concentration.

NOEC (Daphnia magna (Water flea)): 0.889 mg/l
Exposure time: 48 h
Test Type: static test

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Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes
Remarks: The details of the toxic effect relate to the nominal concentration.

LOEC (Daphnia magna (Water flea)): 1.58 mg/l
Exposure time: 48 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes
Remarks: The details of the toxic effect relate to the nominal concentration.

Toxicity to algae : EC50 (Desmodesmus subspicatus (Scenedesmus subspicatus)): 10.8 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes

EC50 (Desmodesmus subspicatus (Scenedesmus subspicatus)): 6.7 mg/l
End point: Biomass
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes

Toxicity to fish (Chronic toxicity) : Remarks: not tested.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC50 (Daphnia magna (Water flea)): 0.324 - 1.255 mg/l
Exposure time: 21 d
End point: Reproduction rate
Test Type: semi-static test
Analytical monitoring: yes
Method: OECD Test Guideline 211
GLP: yes

NOEC (Daphnia magna (Water flea)): 0.128 mg/l
Exposure time: 21 d
End point: Reproduction rate
Test Type: semi-static test
Analytical monitoring: yes
Method: OECD Test Guideline 211
GLP: yes

LOEC (Daphnia magna (Water flea)): 0.324 mg/l

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- Exposure time: 21 d
End point: Reproduction rate
Test Type: semi-static test
Analytical monitoring: yes
Method: OECD Test Guideline 211
GLP: yes
- Toxicity to bacteria : EC50 (activated sludge of a predominantly domestic sewage):
538 mg/l
End point: Bacteria toxicity (growth inhibition)
Exposure time: 3 h
Test Type: aquatic
Method: OECD Test Guideline 209
GLP: yes
- Toxicity to soil dwelling organisms : Test Type: artificial soil
NOEC (Eisenia fetida (earthworms)): > 1,000 mg/kg
Exposure time: 56 d
End point: Reproduction
Method: OECD Test Guideline 222
GLP: yes
- Plant toxicity : NOEC (Avena sativa (oats)): 500 mg/kg
Method: OECD Guide-line 208
GLP: yes
- NOEC (Brassica napus): 1,000 mg/kg
Method: OECD Guide-line 208
GLP: yes
- NOEC (Dicotyledonae: Glycine max (soybean)): 500 mg/kg
Method: OECD Guide-line 208
GLP: yes
- Sediment toxicity : NOEC (Nematode Caenorhabditis elegans): 250 mg/kg dry
weight (d.w.)
Duration: 28 d
Sediment: artificial soil
Test substance: artificial soil
Method: Draft ISO/DIS 10872 (2008)
GLP: yes
- NOEC (Lumbriculus variegatus (Worm)): 250 mg/kg dry
weight (d.w.)
Duration: 28 d
Sediment: artificial soil
Test substance: artificial soil
Method: OECD 225
GLP: yes
- Toxicity to terrestrial organisms : Remarks: not tested.

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Persistence and degradability**Product:**

Biodegradability : Remarks: not tested.

Components:**Piroctone Olamine:**

Biodegradability : aerobic
Inoculum: activated sludge, adapted
Concentration: 16.6 mg/l
CO2 formation in % of theoretical value
Result: Not readily biodegradable.
Biodegradation: 6 %
Exposure time: 28 d
Method: OECD Test Guideline 301B
GLP: yes

aerobic
Inoculum: activated sludge, non-adapted
Concentration: 20 µg/l
DOC decrease
Result: Readily biodegradable
Biodegradation: 96.2 %
Exposure time: 24 d
Method: OECD Test Guideline 303A
GLP: yes

Physico-chemical removability : Remarks: Can be eliminated from water by precipitation.

Remarks: Biodegradable

Stability in water : Test Type: abiotic
Remarks: Hydrolyses slowly.Photodegradation : Test Type: water
Light source: Xenon lamp
Light spectrum: 290 - 800 nm
Rate constant: 3,1 1/h
Rate constant: 50 % Degradation half life: 0.22 h
Method: OECD Test Guideline 316
GLP: yes
Remarks: pH4Test Type: water
Light source: Xenon lamp
Light spectrum: 290 - 800 nm
Rate constant: 1,25 1/h
Rate constant: 50 % Degradation half life: 0.55 h
Method: OECD Test Guideline 316
GLP: yes
Remarks: pH9

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Test Type: air
Remarks: Decomposes rapidly in contact with light.

Test Type: Soil
Remarks: Decomposes rapidly in contact with light.

Bioaccumulative potential**Components:****Piroctone Olamine:**

Bioaccumulation : Remarks: Due to the low logPow bioaccumulation is not expected

Partition coefficient: n-octanol/water : log Pow: 3.86 (20.5 °C)
pH: 4
Method: OECD Test Guideline 107
GLP: yes

Mobility in soil**Components:****Piroctone Olamine:**

Distribution among environmental compartments : adsorption
Medium: water - soil
log Koc: 3 - 5.4
Method: OECD Test Guideline 106

Other adverse effects**Product:**

Additional ecological information : Do not allow to enter ground water, waterways or waste water undiluted or in large quantities.

Components:**Piroctone Olamine:**

Environmental fate and pathways : not available

Results of PBT and vPvB assessment : Remarks: The substance does not meet the criteria for PBT or vPvB substance.

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

RCRA - Resource Conservation and Recovery Authorization Act : No -- Not as sold.

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Waste from residues : Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

SECTION 14. TRANSPORT INFORMATION

DOT not restricted
IATA not restricted
IMDG not restricted

SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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

TSCA : The product is not listed in TSCA. However, it is excluded from the regulation because it is a cosmetic raw material and it is permitted for that use.

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECl (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION**Further information**

Do not breathe fumes, vapour.
Avoid contact with skin and eyes.

SAFETY DATA SHEET



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Wear suitable protective equipment.
Keep container closed when not in use.

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