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:
Product Safety 1-704-331-7710

Emergency tel. number: +1 800-424-9300 CHEMTREC

Trade name: HOSTAPON SG
Material number: 228327

Primary product use: Raw material for cosmetics
Chemical family: Sodium Cocoyl Glycinate (approx. 24%) in water solution.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Eye irritation: Category 2A

GHS Label element
Hazard pictograms: 

Signal word: Warning
Hazard statements: H319 Causes serious eye irritation.

Precautionary statements: Prevention:
P264 Wash skin thoroughly after handling.
P280 Wear eye protection/ face protection.
Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.

Other hazards
No additional hazards are known except those derived from the labelling.
SAFETY DATA SHEET

HOSTAPON SG

Substance key: 000000275577 Revision Date: 05/12/2015
Version: 2 - 1 / USA Date of printing: 05/12/2015

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine</td>
<td>90387-74-9</td>
<td>&lt; 35</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4. FIRST AID MEASURES

General advice: Remove/Take off immediately all contaminated clothing. Show this safety data sheet to the doctor in attendance.

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: Immediately flush skin with plenty of water while removing contaminated clothing. Wash contaminated clothing before reuse. If redness or irritation occurs, seek medical attention.

In case of eye contact: Immediately flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. Seek medical attention immediately.

If swallowed: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed: The possible symptoms known are those derived from the labelling (see section 2). No additional symptoms are known.

Notes to physician: None known.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical Water spray

Unsuitable extinguishing media: High volume water jet

Specific hazards during firefighting: Thermal decomposition may produce oxides of carbon.
Burning produces noxious and toxic fumes.

Further information: Apply alcohol-type or all purpose-type foams by manufacturers' recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires. Do not direct a solid stream of water or foam into hot burning pools; this may cause frothing and increase fire intensity. Use self-contained breathing apparatus and protective equipment.

Special protective equipment for firefighters: Self-contained breathing apparatus

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear suitable protective equipment. Ensure adequate ventilation. Wear proper protective equipment. Contain spill. Spills should be collected as a liquid or absorbed on suitable absorbant and placed in proper containers for disposal. Do not discharge into storm drains or the aquatic environment.

Environmental precautions: The product should not be allowed to enter drains, water courses or the soil.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Can be landfilled or incinerated, when in compliance with local regulations.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion: Observe the general rules of industrial fire protection

Advice on safe handling: Avoid contact with skin and eyes.

Technical measures/Precautions: Keep container closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters: No level has been established by OSHA, NIOSH, ACGIH.

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: Butyl Rubber, PVC Or Neoprene.

Eye protection: Tightly fitting safety goggles.

Skin and body protection: Protective clothing to minimize skin contact should be worn. Chemically resistant safety shoes. Wash contaminated clothing with soap and water and dry before reuse. Safety showers and eyewash stations should be provided in all areas where this material is handled.

Protective measures: Observe the usual precautions for handling chemicals. Avoid contact with skin and eyes.

Hygiene measures: Observe the usual precautions for handling chemicals. When using do not eat or drink. Keep away from food and drink. Wash hands before breaks and at the end of workday. Remove/Take off immediately all contaminated clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid

Colour: colourless

Odour: not specified

Odour Threshold: not determined

pH: 10 - 11, (20 °C) Method: DIN EN 1262

Melting point: 6 °C Method: DIN 51004

Boiling point: > 100 °C Method: EQH-1020-AA-0007

Flash point: > 100 °C Method: EN 22719 (closed cup)

Evaporation rate: not determined

Upper explosion limit: Not applicable

Lower explosion limit: Not applicable
Vapour pressure : < 0.001 kPa (20 °C)
Method: calculated

Relative vapour density : not determined

Density : 1.07 g/cm³
Method: ISO/DIS 12185

Bulk density : Not applicable

Solubility(ies)
Water solubility : soluble (20 °C)

Solubility in other solvents : 0.29 g/l
Data corresponds to that of the active component (20 °C)
Solvent: 1-octanol

Partition coefficient: n-octanol/water : log Pow: -0.2 (20 °C)
Information refers to the main component.

Auto-ignition temperature : Not applicable

Decomposition temperature : > 350 °C
Method: DIN 51758

Viscosity
Viscosity, dynamic : 1,350 mPa.s (23 °C)
Method: ISO 2555

Viscosity, kinematic : not determined

Explosive properties : Not explosive
Method: Expert judgement

Oxidizing properties : The substance or mixture is not classified as oxidizing.
Method: Expert judgement

Surface tension : approx. 23.2 N/m, 1 g/l, 20 °C, OECD Test Guideline 115,
Data corresponds to that of the active component

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 : Stable
No dangerous reaction known under conditions of normal use.
Conditions to avoid: Strong acids and oxidizing agents
Strong bases

Incompatible materials: Keep away from strong bases.
Strong acids
Oxidizer

Hazardous decomposition products: When handled and stored appropriately, no dangerous decomposition products are known

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact

Acute toxicity

**Product:**

Acute oral toxicity: LD50 (Rat, female): > 2,000 mg/kg
Method: OECD Test Guideline 423
GLP: yes

Acute inhalation toxicity: Remarks: no data available

Acute dermal toxicity: Remarks: no data available

Components:

Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine:

Acute oral toxicity: LD50 (Rat, female): > 2,000 mg/kg
Method: OECD Test Guideline 423
GLP: yes

Acute inhalation toxicity: Remarks: not required

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

Skin corrosion/irritation

**Product:**

Species: Rabbit
Method: OECD Test Guideline 404
Result: Mild to moderate skin irritation effect – does not require labeling
GLP: yes

Components:

Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine:
Species: Rabbit  
Exposure time: 4 h  
Method: OECD Test Guideline 404  
Result: slight irritant effect - does not require labelling  
GLP: yes

Species: EPISKIN Human Skin Model Test  
Exposure time: 15 min  
Method: OECD Test Guideline 439  
Result: No skin irritation  
GLP: yes

**Serious eye damage/eye irritation**

**Product:**  
Species: rabbit eye  
Result: irritating  
Method: OECD Test Guideline 405  
GLP: yes

**Components:**  
Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine:  
Species: rabbit eye  
Result: irritating  
Exposure time: 24 h  
Method: OECD Test Guideline 405  
GLP: yes

Species: cattle  
Result: strongly irritant  
Exposure time: 4 h  
Method: Bovine Corneal Opacity and Permeability Assay (BCOP)  
GLP: yes

**Respiratory or skin sensitisation**

**Product:**  
Test Type: Skin  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: non-sensitizing  
GLP: yes

**Components:**  
Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine:  
Test Type: Guinea pig maximization test  
Species: Guinea pig  
Method: OECD 406 * 1981 Guinea pig maximisation test  
Result: non-sensitizing  
GLP: yes
SAFETY DATA SHEET

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Germ cell mutagenicity

Product:
Genotoxicity in vitro  
Species: Mouse cells
Method: OECD Test Guideline 476
Result: negative
GLP: yes

Germ cell mutagenicity - Assessment

Assessment: Not mutagenic in Ames Test

Components:
Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine:

Genotoxicity in vitro

Test Type: Ames test
Species: Salmonella typhimurium
Concentration: 3 - 5000 µg/plate
Metabolic activation: with and without
Method: OECD Test Guideline 471
Result: negative
GLP: yes

Test Type: Mammalian cell gene mutation assay
Species: Mouse cells
Concentration: 5,9 - 282 µg/ml
Metabolic activation: with and without
Method: OECD Test Guideline 476
Result: negative
GLP: yes

Genotoxicity in vivo

Test Type: Micronucleus test
Species: Mouse (male)
Strain: ICR
Cell type: Bone marrow cells
Application Route: Intraperitoneal injection
Exposure time: 24 h
Dose: 50 - 100 - 200 - 400 mg/kg
Method: OECD Test Guideline 474
Result: negative
GLP: yes

Germ cell mutagenicity - Assessment

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

Carcinogenicity

Product:
Carcinogenicity - Assessment

Assessment: No information available.

Components:
Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine:
Remarks: not tested.

Carcinogenicity - Assessment : No information available.

IARC Not listed
OSHA Not listed
NTP Not listed

Reproductive toxicity
Product:
Reproductive toxicity - Assessment : No information available.

No information available.

Components:
Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine:
Effects on fertility :
Test Type: One generation study
Species: Rat
Sex: male and female
Dose: 62.5 - 250 - 1000 mg/kg
Exposure time: 4 week (m), 7 week (f)
Frequency of Treatment: once daily
wistar
Group: yes
NOAEL: 1,000 mg/kg,
F1: 250 mg/kg,
Method: OECD 421
GLP: yes

Reproductive toxicity - Assessment : No information available.

No reproductive toxicity to be expected.

STOT - single exposure
Product:
Remarks: no data available

Components:
Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine:
Remarks: Based on available data, the classification criteria are not met.
STOT - repeated exposure

Product:
Remarks: no data available

Components:
Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine:
Remarks: Based on available data, the classification criteria are not met.

Repeated dose toxicity

Product:
Remarks: This information is not available.

Components:
Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine:
Species: Rat, male and female
NOAEL: 1,000 mg/kg
Application Route: oral (gavage)
Exposure time: 28 d
Number of exposures: 7 days/week
Dose: 62.5 - 250 - 1000 mg/kg
Group: yes
Subsequent observation period: 14 d
Method: OECD Test Guideline 407
GLP: yes

Application Route: Oral
Exposure time: 90 d
Method: Repeated Dose Toxicity (subchronic study)
Remarks: not tested.

Application Route: Inhalation
Exposure time: 90 d
Method: Repeated Dose Toxicity (subchronic study)
Remarks: not tested.

Application Route: Dermal
Exposure time: 90 d
Method: Repeated Dose Toxicity (subchronic study)
Remarks: not tested.

Aspiration toxicity

Components:
Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine:
No aspiration toxicity classification

Experience with human exposure

Product:
Further information

Components:
Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine:
Test Type: Toxicokinetics

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:
Toxicity to fish:
- LC50 (Danio rerio (zebra fish)): > 100 mg/l
  Exposure time: 96 h
  Test Type: static test
  Method: OECD Test Guideline 203
  GLP: yes

Toxicity to daphnia and other aquatic invertebrates:
- EC50 (Daphnia magna (Water flea)): 14.3 mg/l
  Exposure time: 48 h
  Method: OECD Test Guideline 202
  GLP: yes

Toxicity to algae:
- EC50 (Desmodesmus subspicatus (Scenedesmus subspicatus)): 89.9 mg/l
  Exposure time: 72 h
  Method: OECD Test Guideline 201
  GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):
- NOEC (Daphnia magna (Water flea)): 20 mg/l
  Exposure time: 21 d
  Method: OECD Test Guideline 211
  GLP: yes

Toxicity to bacteria:
- GLP:
  Remarks: no data available

Components:
Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine:
Toxicity to fish:
- LC100 (Danio rerio (zebra fish)): > 29.8 mg/l
  Exposure time: 96 h
  Test Type: static test
  Analytical monitoring: yes
  Method: OECD Test Guideline 203
  GLP: yes
  Remarks: The values mentioned are those of the active ingredient.

  NOEC (Danio rerio (zebra fish)): 29.8 mg/l
Exposure time: 96 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 203
GLP: yes
Remarks: The values mentioned are those of the active ingredient.

Toxicity to daphnia and other aquatic invertebrates:

LOEC (Daphnia magna (Water flea)): 5.1 mg/l
Exposure time: 48 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes
Remarks: The values mentioned are those of the active ingredient.

NOEC (Daphnia magna (Water flea)): 2 mg/l
Exposure time: 48 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes
Remarks: The values mentioned are those of the active ingredient.

NOEC (Daphnia magna (Water flea)): 2 mg/l
Exposure time: 48 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes
Remarks: The values mentioned are those of the active ingredient.

Toxicity to algae:

EC50 (Desmodesmus subspicatus (Scenedesmus subspicatus)): 61 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes
Remarks: The values mentioned are those of the active ingredient.

NOEC (Desmodesmus subspicatus (Scenedesmus subspicatus)): 21.9 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes
Remarks: The values mentioned are those of the active ingredient.

LOEC (Desmodesmus subspicatus (Scenedesmus subspicatus)): 68.5 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes
Remarks: The values mentioned are those of the active ingredient.

Toxicity to fish (Chronic toxicity) :
Remarks: not required

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) :
NOEC (Daphnia magna (Water flea)): 4 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
Remarks: Information refers to the main component.

LOEC (Daphnia magna (Water flea)): > 4 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
Remarks: Information refers to the main component.

Toxicity to bacteria :
EC50 (activated sludge, domestic): 791 mg/l
End point: Bacteria toxicity (respiration inhibition)
Exposure time: 3 h
Test Type: aquatic
Analytical monitoring: no
Method: OECD Test Guideline 209
GLP: yes
Remarks: The values mentioned are those of the active ingredient.

NOEC (activated sludge, domestic): 320 mg/l
End point: Bacteria toxicity (respiration inhibition)
Exposure time: 3 h
Test Type: aquatic
Analytical monitoring: no
Method: OECD Test Guideline 209
GLP: yes
Remarks: The values mentioned are those of the active ingredient.

Test Type: Soil
GLP:
Remarks: Not applicable

Toxicity to soil dwelling organisms :
Remarks: Not applicable
Plant toxicity: Method: OECD Guide-line 208  
Remarks: Not applicable

Sediment toxicity: Remarks: Not applicable

Toxicity to terrestrial organisms: Remarks: Not applicable

**Persistence and degradability**

**Product:**
Biodegradability: Inoculum: activated sludge, non-adapted
Result: Readily biodegradable
Biodegradation: 83 %
Exposure time: 28 d
Method: OECD Test Guideline 301B
GLP: yes

Components:

**Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine:**

Biodegradability: aerobic
Inoculum: activated sludge, non-adapted
Concentration: 108 mg/l
CO2 formation in % of theoretical value
Result: Readily biodegradable
Biodegradation: 83 - 86 %
Exposure time: 28 d
Method: OECD Test Guideline 301B
GLP: yes

Physico-chemical removability: Remarks: Readily biodegradable, according to appropriate OECD test.


Photodegradation: Test Type: air
Remarks: Not applicable

Test Type: water
Remarks: Not applicable
Bioaccumulative potential

**Product:**
Bioaccumulation: Remarks: no data available

**Components:**
Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine:
Bioaccumulation: Species: Other
Remarks: Due to the low logPow bioaccumulation is not expected

Partition coefficient: n-octanol/water
: log Pow: -0.2 (20 °C)
pH: 7.4
GLP: no

Mobility in soil

**Product:**
Distribution among environmental compartments: Remarks: no data available

**Components:**
Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine:
Mobility: Medium: air - biota - sediment(s) - soil - water
Remarks: Known distribution to environmental compartments

Distribution among environmental compartments: adsorption
Medium: water - soil
Method: OECD Test Guideline 106
Remarks: Not expected to adsorb on soil.

Other adverse effects

**Product:**
Environmental fate and pathways: Remarks: no data available

Results of PBT and vPvB assessment: Remarks: no data available

Additional ecological information: The ecological data given are those of the active ingredient. The product should not be allowed to enter drains, water courses or the soil.

**Components:**
Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine:
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 ecological data given are those of the active ingredient. The product should not be allowed to enter drains, water courses or the soil.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
- Waste from residues: Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.
- Contaminated packaging: Regulations concerning reuse or disposal of used packaging materials must be observed.

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 product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.
Clean Water Act
Contains no known priority pollutants at concentrations greater than 0.1%.

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), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

Observe national and local legal requirements
None known.

Revision Date : 05/12/2015

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications.