

## HOSTAPON CT paste

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Version : 3 - 12 / USA

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## SECTION 1. IDENTIFICATION

<b>Identification of the company:</b>	Clariant Corporation 500 East Morehead Street Charlotte, NC, 28202 Telephone No.: +1 704 331 7000
	<b>Information of the substance/preparation:</b> Product Stewardship, +1-704-331-7710 e-mail: SDS.NORAM@clariant.com
	<b>Emergency tel. number:</b> +1 800-424-9300 CHEMTREC

<b>Trade name:</b>	<b>HOSTAPON CT paste</b>
<b>Material number:</b>	105270
<b>Synonyms:</b>	Product Has No Synonyms
<b>Primary product use:</b>	Surface active agent for cosmetics Raw material for detergents
<b>Chemical family:</b>	A coco fatty acid methyl tauride, sodium salt.(ca. 30%) in aqueous solution

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Eye irritation : Category 2A

**GHS label elements**

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.

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**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate	61791-42-2	30 - 50

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.
- 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 : Wash thoroughly with soap and water for 15 minutes. If skin 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/ doctor.
- 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 : Water spray jet  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry powder

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Unsuitable extinguishing media	: High volume water jet
Specific hazards during firefighting	: In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)  Nitrogen oxides (NOx)  Sulphur dioxide  Emits toxic and corrosive fumes under fire conditions.
Further information	: Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus and full protective clothing.
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. Contain spill. Ensure adequate ventilation and wear appropriate personal protective equipment. Collect onto inert absorbent. Place in sealable container. Do not allow to contaminate water sources or sewers.
Environmental precautions	: Do not allow to enter drains or waterways
Methods and materials for containment and cleaning up	: Pick up mechanically. Rinse away rest with warm water.

**SECTION 7. HANDLING AND STORAGE**

Advice on protection against fire and explosion	: Keep away sources of ignition. Take precautionary measures against build-up of electrostatic charges, e.g earthing during loading and off-loading operations. Dust can form an explosive mixture in air.
Advice on safe handling	: Avoid contact with skin and eyes.
Further information on storage conditions	: Keep containers tightly closed in a cool, well-ventilated place.
Recommended storage temperature	: 68 °F / 20 °C
Further information on storage stability	: Minimum shelf life is 2 years from the date of shipping when properly stored.

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

Contains no substances with occupational exposure limit values.

**Engineering measures** : Local ventilation recommended - mechanical ventilation may be used.**Personal protective equipment****Respiratory protection** : not required under normal use  
In the case of dust or aerosol formation use respirator with an approved filter.  
Suitable mask with particle filter P3 (European Norm 143)  
Applicable national Regulations must be observed. Take note of the limitations regarding wear-time, in conjunction with the Regulations for the use of Respiratory Protective Equipment.**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** : Avoid contact with skin and eyes.**Hygiene measures** : Wash hands before breaks and at the end of workday.  
Use protective skin cream before handling the product.  
Take off immediately all contaminated clothing and wash it before reuse.**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance** : paste**Colour** : off-white**Odour** : characteristic**pH** : 7 - 8  
Concentration: 1 %  
Method: DIN EN 1262

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Flowing point	:	approx. 97 °F / 36 °C
Melting point	:	approx. 351 °F / 177 °C Method: OECD Test Guideline 102 Data corresponds to that of the active component
Boiling point	:	approx. 212 °F / 100 °C Based on water-content.
Flash point	:	> 212 °F / > 100 °C
Flammability (solid, gas)	:	The product is not flammable. Method: EC/440/2008, A.10 Remarks: Information based on the active ingredient.
Self-ignition	:	748 °F / 398 °C Method: EC A.16 Data corresponds to that of the active component
Upper explosion limit / upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Vapour pressure	:	3 kPa (77 °F / 25 °C) Corresp. to vapour pressure of water  0.00001 Pa (122 °F / 50 °C) The values mentioned are those of the active ingredient.
Relative vapour density	:	Not applicable
Density	:	approx. 1.1 g/cm <sup>3</sup> (140 °F / 60 °C) Method: DIN 51757
Solubility(ies)	:	
Water solubility	:	approx. 130 g/l soluble (68 °F / 20 °C)
Solubility in other solvents	:	0.4 g/l (68 °F / 20 °C) Data corresponds to that of the active component Solvent: 1-octanol Method: OECD Test Guideline 105
Partition coefficient: n-octanol/water	:	log Pow: 0.24 (68 °F / 20 °C) pH: 6.4 Method: OECD Test Guideline 117 Information refers to the main component.
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	> 698 °F / > 370 °C

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Viscosity		
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Explosive properties	:	Not explosive Information refers to the main component.
Oxidizing properties	:	There are no chemical groups associated with oxidising properties present in the molecule. Information refers to the main component.
Surface tension	:	25.6 mN/m, 68 °F / 20 °C, OECD Test Guideline 115, Data corresponds to that of the active component
Metal corrosion rate	:	Not applicable
Particle size	:	no data available

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable
Possibility of hazardous reactions	:	Stable
Conditions to avoid	:	Keep away from heat, sparks, open flames, and other sources of ignition. Avoid dust formation.
Incompatible materials	:	not known
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	:	Remarks: not tested.
Acute dermal toxicity	:	Remarks: not tested.

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**Components:****Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate:**

- 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
- Acute inhalation toxicity : Remarks: no data available
- Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: By analogy with a product of similar composition

**Skin corrosion/irritation****Product:**

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

**Components:****Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate:**

- Species : EPISKIN Human Skin Model Test  
Method : OECD Test Guideline 431  
Result : No skin irritation  
GLP : yes

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

- Species : rabbit eye  
Result : irritating  
Method : OECD Test Guideline 405

**Components:****Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate:**

- Species : Rabbit  
Result : Irritating to eyes.  
Method : OECD Test Guideline 405  
GLP : yes



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**Respiratory or skin sensitisation****Product:**

Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : non-sensitizing

**Components:**

**Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate:**

Test Type : Buehler Test  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Not a skin sensitizer.  
GLP : yes

Assessment : Causes serious eye irritation.

**Germ cell mutagenicity****Product:**

Germ cell mutagenicity - Assessment : No information available.

**Components:**

**Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes

Test Type: Mammalian cell gene mutation assay  
Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative  
GLP: yes

Test Type: Micronucleus test  
Test system: Human lymphocytes  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 487  
Result: negative  
GLP: yes

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects



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**Carcinogenicity****Product:**

Carcinogenicity - Assessment : No information available.

**Components:****Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate:**

Carcinogenicity - Assessment : No information available.

**IARC** No component 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 component 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****Product:**

Reproductive toxicity - Assessment : No information available.

No information available.

**Components:****Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate:**Effects on fertility : Test Type: Fertility  
Species: Rat, male and female  
Strain: Sprague-Dawley  
Application Route: oral (gavage)  
General Toxicity - Parent: NOAEL: 1,000 mg/kg body weight  
General Toxicity F1: NOAEL: 1,000 mg/kg body weight  
Method: OECD Test Guideline 421  
Remarks: By analogy with a product of similar compositionEffects on foetal development : Test Type: Pre-natal  
Species: Rat  
Strain: wistar  
Application Route: oral (gavage)  
General Toxicity Maternal: NOAEL: 1,000 mg/kg body weight  
Embryo-foetal toxicity: NOAEL: 1,000 mg/kg body weight  
Method: OECD Test Guideline 414  
Result: No adverse effects

Reproductive toxicity - : No evidence of adverse effects on sexual function and fertility,

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Assessment or on development, based on animal experiments.

**STOT - single exposure****Product:**

Remarks : not tested.

**Components:****Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate:**

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

**STOT - repeated exposure****Product:**

Remarks : not tested.

**Components:****Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate:**

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

**Repeated dose toxicity****Product:**

Remarks : not tested.

**Components:****Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate:**

Species : Rat, male and female  
NOAEL : 750 mg/kg bw/day  
Application Route : oral (gavage)  
Exposure time : 90 d  
Method : OECD Test Guideline 408  
Remarks : By analogy with a product of similar composition

Repeated dose toxicity - Assessment : Causes serious eye irritation.

**Aspiration toxicity****Product:**

no data available

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**Components:****Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate:**

No aspiration toxicity classification

**Experience with human exposure****Product:**

General Information : The possible symptoms known are those derived from the labelling (see section 2).

**Further information****Product:**

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

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 1 - 10 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  
Remarks: The values mentioned are those of the active ingredient.
- Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: The values mentioned are those of the active ingredient.
- EC10 (Desmodesmus subspicatus (green algae)): 36.2 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: The values mentioned are those of the active ingredient.
- 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  
Remarks: Information refers to the main component.
- Toxicity to microorganisms : EC50 (activated sludge): > 1,000 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

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Remarks: The values mentioned are those of the active ingredient.

**Components:****Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate:**

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): 5.04 mg/l  
End point: mortality  
Exposure time: 96 h  
Test Type: semi-static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 203  
GLP: yes
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 4.6 mg/l  
End point: Immobilization  
Exposure time: 48 h  
Test Type: semi-static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 202  
GLP: yes
- Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 201  
GLP: yes
- Toxicity to fish (Chronic toxicity) : Remarks: no data available
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 4 mg/l  
End point: Reproduction rate  
Exposure time: 21 d  
Test Type: semi-static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 211  
GLP: yes
- Toxicity to microorganisms : NOEC (activated sludge): 180 mg/l  
End point: Bacteria toxicity (respiration inhibition)  
Exposure time: 3 h  
Test Type: static test  
Analytical monitoring: no  
Method: OECD Test Guideline 209  
GLP: yes

**Persistence and degradability****Product:**

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Biodegradability : Result: Readily biodegradable.  
Biodegradation: 90 %  
Method: OECD Test Guideline 301E

Chemical Oxygen Demand (COD) : 670 mg/g

**Components:****Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate:**

Biodegradability : aerobic  
Inoculum: activated sludge  
Concentration: 91.5 mg/l  
Carbon dioxide (CO<sub>2</sub>)  
Result: Readily biodegradable.  
Biodegradation: 82 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B  
GLP: yes

**Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).  
Information refers to the main component.

**Components:****Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate:**

Partition coefficient: n-octanol/water : log Pow: -2.41 - 2.5  
Method: Other  
GLP: No information available.  
Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.

**Mobility in soil****Product:**

Distribution among environmental compartments : Remarks: not tested.

**Other adverse effects****Product:**

Environmental fate and pathways : Remarks: no data available

Additional ecological : The product has not been tested. The information is derived

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information from the properties of the individual components.

**Components:****Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate:**

Results of PBT and vPvB assessment : The substance is not identified as a PBT or as a vPvB substance.

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

RCRA - Resource Conservation and Recovery Act : This product, if discarded as sold, is not a Federal RCRA hazardous waste.

Waste Code : NONE

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

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

**SECTION 14. TRANSPORT INFORMATION**

DOT not restricted

IATA not restricted

IMDG not restricted

**SECTION 15. REGULATORY INFORMATION****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 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Serious eye damage or eye irritation

**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.

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**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

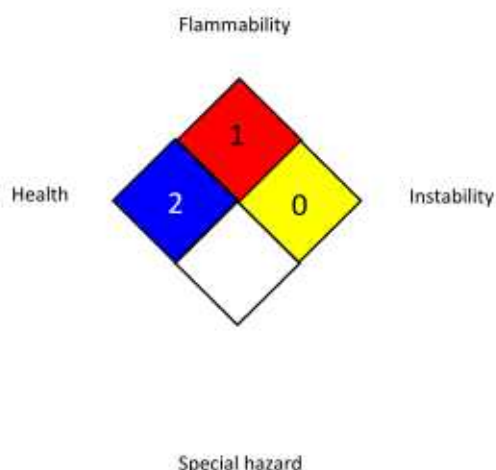
This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

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

TSCA : All components of this product are listed on the TSCA Inventory. However, the primary use of this product is NOT subject to TSCA but rather to FDA and must comply with the FDA regulations.

**SECTION 16. OTHER INFORMATION****Further information****NFPA 704:****Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response,



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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 - 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

Observe national and local legal requirements  
None known.

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This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application. NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE. Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet

# SAFETY DATA SHEET



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information before handling any of these products. For additional information, please contact Clariant.

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