

HOSTAPON SCI 85 C

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Substance key: 000000012534

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SECTION 1. IDENTIFICATION

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

Trade name:	HOSTAPON SCI 85 C
Material number:	151130
CAS number:	61789-32-0
Synonyms:	Product Has No Synonyms
Primary product use:	Raw material for cosmetics Raw material for detergents
Chemical family:	Coco fatty acid isethionate, sodium salt

SECTION 2. HAZARDS IDENTIFICATION

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

Combustible dust

Eye irritation : Category 2A

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : May form combustible dust concentrations in air.
H319 Causes serious eye irritation.Precautionary statements : **Prevention:**
P210 Keep away from heat/ sparks/ open flames/ hot surfaces.
No smoking.
P233 Keep container tightly closed.
P243 Take precautionary measures against static discharge.
Prevent dust accumulations to minimize explosion hazard.
P264 Wash skin thoroughly after handling.

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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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Substance name : Coco fatty acid isethionate, sodium salt

CAS-No. : 61789-32-0

Components

Chemical name	CAS-No.	Concentration (% w/w)
Coconut fatty acid isethionate-sodium salt	61789-32-0	>= 90 - <= 100
Fatty acids, C8-18 and C18-unsatd.	67701-05-7	>= 5 - < 10

The specific chemical identity and/or the exact percentage of composition of a hazardous ingredient is being withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

General advice : Get medical advice/ attention if you feel unwell.
Remove/ Take off immediately all contaminated clothing.

If inhaled : If inhaled, remove to fresh air.
Get medical advice/ attention.

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 do not induce vomiting, seek medical advice and show safety datasheet or label

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.
Causes serious eye irritation.

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Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURESSuitable extinguishing media : Water spray jet
Alcohol-resistant foamUnsuitable extinguishing media : Dry powder
Carbon dioxide (CO₂)
High volume water jetSpecific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:
Carbon oxides
Sulphur trioxideEmits toxic and corrosive fumes under fire conditions.
Risk of dust explosion in fine crystalline powder form.

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 MEASURESPersonal precautions, protective equipment and emergency procedures : Avoid dust formation.
Wear suitable protective equipment.
Wear appropriate protective equipment. If dry, sweep up or shovel up and place in appropriate waste disposal containers. If molten, collect on suitable absorbant and place in appropriate waste disposal containers. Cleanup may be accomplished by flushing with water and collecting cleaning wastes for disposal or by removal of contaminated soils for disposal.

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 water.

SECTION 7. HANDLING AND STORAGE

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- 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 : Store in cool, dry area. Avoid excessive heat. Keep away from sources of heat, sparks or open flames.
- Further information on storage conditions : Store in original container.
Keep container closed.

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

Contains no substances with occupational exposure limit values.

- Engineering measures** : A system of local and/or general exhaust is recommended where employee exposures are at or above Occupational Exposure Limits (OEL).

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 : Safety glasses or chemical splash goggles.
- Skin and body protection : Dermal contact should be prevented through the use of impervious clothing, footwear, and a face shield where splattering may occur.
- Protective measures : Avoid contact with skin and eyes.
Do not breathe dust.
- 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 : flakes

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Colour	:	white
Odour	:	characteristic
Odour Threshold	:	not determined
pH	:	5 - 6.5 Concentration: 10 %
Melting point	:	354 - 356 °F / 179 - 180 °C
Boiling point	:	> 392 °F / > 200 °C
Flash point	:	> 212 °F / > 100 °C
Evaporation rate	:	not tested.
Flammability (solid, gas)	:	not determined
Self-ignition	:	464 °F / 240 °C
Burning number	:	3 Local combustion without spreading
Upper explosion limit / upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Vapour pressure	:	< 0.001 mbar (77 °F / 25 °C)
Relative vapour density	:	not tested.
Density	:	Not applicable
Bulk density	:	0.471 - 0.574 g/cm ³
Solubility(ies)		
Water solubility	:	practically insoluble (68 °F / 20 °C)
Solubility in other solvents	:	slightly soluble
Partition coefficient: n-octanol/water	:	log Pow: -0.41
Auto-ignition temperature	:	Not applicable

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Decomposition temperature	:	595 °F / 313 °C
Viscosity	:	
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Oxidizing properties	:	not oxidizing
Conductivity	:	1 µS/cm
Dust explosion class	:	St1
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	:	Dust can form an explosive mixture in air.
Conditions to avoid	:	Keep away from heat and sources of ignition.
Incompatible materials	:	not known
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

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

Eye contact
Skin contact
Inhalation

Acute toxicity

Not classified due to lack of data.

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:**Coconut fatty acid isethionate-sodium salt:**

Acute oral toxicity : LD50 (Rat, male and female): > 2,000 g/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 : Remarks: no data available

Fatty acids, C8-18 and C18-unsatd.:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 401
Remarks: By analogy with a product of similar composition

Acute inhalation toxicity : LC50 (Rat): > 0.1624 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: By analogy with a product of similar composition

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
Method: OECD Test Guideline 434
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: By analogy with a product of similar composition

Skin corrosion/irritation

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

Product:

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

Components:**Coconut fatty acid isethionate-sodium salt:**

Species : Rabbit
Exposure time : 4 h
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : no

Fatty acids, C8-18 and C18-unsatd.:

Species : Rabbit
Method : OECD Test Guideline 404
Result : Irritating to skin.
Remarks : By analogy with a product of similar composition

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Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

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

Components:**Coconut fatty acid isethionate-sodium salt:**

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

Fatty acids, C8-18 and C18-unsatd.:

Species : rabbit eye
Result : Risk of serious damage to eyes.
Method : OECD Test Guideline 405
Remarks : By analogy with a product of similar composition

Respiratory or skin sensitisation**Skin sensitisation**

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

Respiratory sensitisation

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

Product:

Species : Guinea pig
Method : OECD Test Guideline 406
Result : Did not cause sensitisation on laboratory animals.

Components:**Coconut fatty acid isethionate-sodium salt:**

Test Type : Guinea pig maximization test
Exposure routes : Dermal
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Not a skin sensitizer.
GLP : yes

Assessment : Causes serious eye irritation.

Fatty acids, C8-18 and C18-unsatd.:

Remarks : This information is not available.

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Assessment : Causes skin irritation., Causes serious eye damage.

Germ cell mutagenicity

Not classified due to lack of data.

Product:

Germ cell mutagenicity - Assessment : Not mutagenic in Ames Test

Components:**Coconut fatty acid isethionate-sodium salt:**

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: In vitro gene mutation study in mammalian cells
Test system: mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
GLP: yes

Test Type: Chromosome aberration test in vitro
Test system: Chinese hamster ovary cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
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

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

Fatty acids, C8-18 and C18-unsatd.:

Genotoxicity in vitro : Remarks: no data available

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

Carcinogenicity

Not classified due to lack of data.

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Carcinogenicity - Assessment : No information available.

Components:**Coconut fatty acid isethionate-sodium salt:**

Carcinogenicity - Assessment : No information available.

Fatty acids, C8-18 and C18-unsatd.:

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

Not classified due to lack of data.

Product:

Reproductive toxicity - Assessment : No information available.

No information available.

Components:**Coconut fatty acid isethionate-sodium salt:**

Effects on fertility : Test Type: One generation study
Species: Rat, male and female
Strain: wistar
Application Route: oral (gavage)
Dose: 100, 300, 1000 mg/kg bw/day
Duration of Single Treatment: 28 - 70 d
General Toxicity - Parent: NOAEL: 1,000 mg/kg body weight
Method: OECD Test Guideline 416
GLP: yes
Remarks: By analogy with a product of similar composition

Effects on foetal development : Test Type: Pre-natal
Species: Rat, female
Strain: wistar
Application Route: oral (gavage)
Dose: 100, 300, 1000 mg/kg bw/d
Duration of Single Treatment: 20 d
Frequency of Treatment: 1 daily

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General Toxicity Maternal: NOEL: 1,000 mg/kg body weight
Developmental Toxicity: NOEL: 1,000 mg/kg body weight
Method: OECD Test Guideline 414
GLP: yes
Remarks: By analogy with a product of similar composition

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

Fatty acids, C8-18 and C18-unsatd.:

Effects on fertility : Remarks: This information is not available.

Effects on foetal development : Remarks: This information is not available.

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

STOT - single exposure

Not classified due to lack of data.

Product:

Remarks : not tested.

Components:**Coconut fatty acid isethionate-sodium salt:**

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

Fatty acids, C8-18 and C18-unsatd.:

Remarks : no data available

STOT - repeated exposure

Not classified due to lack of data.

Product:

Remarks : not tested.

Components:**Coconut fatty acid isethionate-sodium salt:**

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

Fatty acids, C8-18 and C18-unsatd.:

Remarks : no data available

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Repeated dose toxicity**Product:**

Remarks : not tested.

Components:**Coconut fatty acid isethionate-sodium salt:**

Species : Rat, male and female
NOAEL : 426 mg/kg bw/day
Application Route : oral (gavage)
Exposure time : 91 - 92 d
Number of exposures : daily
Dose : 50 ,200 ,1000 mg/kg bw
Control Group : yes
Method : OECD Test Guideline 408
GLP : yes
Remarks : By analogy with a product of similar composition

Species : Rat, male and female
NOAEL : > 2070 mg/kg bw/day
Application Route : Dermal
Exposure time : 6 hours
Number of exposures : once per day for 28 days
Dose : 0, 0,08, 0,91, 2,07 g/kg
Control Group : yes
Method : OECD Test Guideline 410
GLP : yes
Remarks : By analogy with a product of similar composition

Species : Rat, male and female
NOEL : >= 1000 mg/kg bw/day
Application Route : oral (feed)
Exposure time : 28 d
Number of exposures : daily
Method : OECD Test Guideline 407

Repeated dose toxicity -
Assessment : Causes serious eye irritation.

Fatty acids, C8-18 and C18-unsatd.:

Remarks : This information is not available.

Repeated dose toxicity -
Assessment : Causes skin irritation., Causes serious eye damage.

Aspiration toxicity

Not classified due to lack of data.

Components:**Coconut fatty acid isethionate-sodium salt:**

no data available

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Fatty acids, C8-18 and C18-unsatd.:

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 : There is no data available for this product.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**Toxicity to fish : LC50 (Danio rerio (zebra fish)): 10 - 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 30 mg/l
Exposure time: 48 h
Method: DIN 38412 T.11Toxicity to algae/aquatic plants : EC10 (Pseudokirchneriella subcapitata (algae)): 0.3 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201Toxicity to microorganisms : EC50: > 1,000 mg/l
Method: OECD Test Guideline 209**Components:****Coconut fatty acid isethionate-sodium salt:**Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 9.9 mg/l
End point: mortality
Exposure time: 96 h
Test Type: semi-static test
Method: OECD Test Guideline 203
GLP: yes
Remarks: The values mentioned are those of the active ingredient.Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 48 mg/l
End point: Immobilization
Exposure time: 48 h

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Test Type: static test
 Method: OECD Test Guideline 202
 GLP: yes
 Remarks: By analogy with a product of similar composition

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 4.8 mg/l
 End point: Growth rate
 Exposure time: 72 h
 Test Type: static test
 Analytical monitoring: yes
 Method: OECD Test Guideline 201
 GLP: yes

NOEC (Pseudokirchneriella subcapitata (green algae)): 0.31 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) : Remarks: no data available

Toxicity to microorganisms : EC50 (activated sludge): > 687 mg/l
 End point: Bacteria toxicity (respiration inhibition)
 Exposure time: 3 h
 Test Type: static test
 Method: OECD Test Guideline 209
 GLP: no
 Remarks: The values mentioned are those of the active ingredient.

Ecotoxicology Assessment

Acute aquatic toxicity : Harmful to aquatic life.

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Fatty acids, C8-18 and C18-unsatd.:

Toxicity to fish : LC50 (Oryzias latipes (Orange-red killifish)): 5 mg/l
 Exposure time: 96 h
 Method: OECD Test Guideline 203
 Remarks: By analogy with a product of similar composition

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 3.6 mg/l
 Exposure time: 48 h

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Method: OECD Test Guideline 202

Remarks: By analogy with a product of similar composition

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 7.6 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Remarks: By analogy with a product of similar composition

Toxicity to fish (Chronic toxicity) : NOEC (Danio rerio (zebra fish)): 2 mg/l

End point: mortality

Exposure time: 28 d

Remarks: By analogy with a product of similar composition

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: no data available

Toxicity to microorganisms : Remarks: no data available

Persistence and degradability**Product:**

Biodegradability : Biodegradation: > 80 %

Exposure time: 28 d

Method: OECD Test Guideline 301E

Components:**Coconut fatty acid isethionate-sodium salt:**

Biodegradability : aerobic

Inoculum: activated sludge

Concentration: 2 mg/l

Biochemical Oxygen Demand (BOD)

Result: Readily biodegradable.

Biodegradation: 78 %

Exposure time: 28 d

Method: OECD Test Guideline 301D

GLP: yes

Fatty acids, C8-18 and C18-unsatd.:

Biodegradability : aerobic

Result: Readily biodegradable.

Bioaccumulative potential**Product:**

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

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Components:**Coconut fatty acid isethionate-sodium salt:**

Partition coefficient: n- : log Pow: -0.41 (68 °F / 20 °C)
octanol/water pH: 7
Method: Other
GLP: no

Fatty acids, C8-18 and C18-unsatd.:

Bioaccumulation : Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

Mobility in soil**Product:**

Distribution among : Remarks: not tested.
environmental compartments

Components:**Coconut fatty acid isethionate-sodium salt:**

Distribution among : adsorption
environmental compartments Medium: water - soil
Koc: 1451, log Koc: 3.2
Method: OECD Test Guideline 106
Remarks: By analogy with a product of similar composition

Fatty acids, C8-18 and C18-unsatd.:

Distribution among : Remarks: no data available
environmental compartments

Other adverse effects**Product:**

Environmental fate and : Remarks: Due to the distribution coefficient n-octanol/water,
pathways accumulation in organisms is not expected.

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

Additional ecological : no data available
information

Components:**Coconut fatty acid isethionate-sodium salt:**

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

Fatty acids, C8-18 and C18-unsatd.:

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- Results of PBT and vPvB assessment : Substance is not persistent, bioaccumulative, and toxic (PBT).
- 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 Waste Code : 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** : Combustible dust
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.

Clean Air Act

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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 SOCOMI 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.

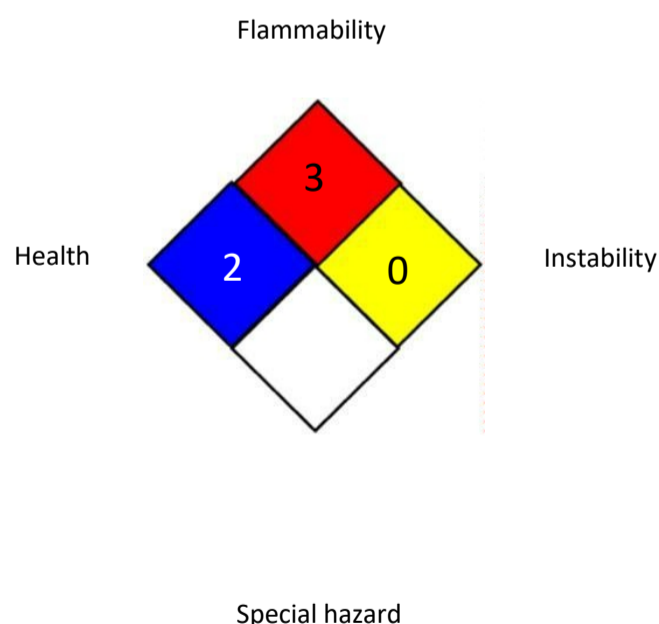
This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

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 are compliant with the TSCA Inventory Notification (Active) rule., 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**

AllC - 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 -

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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

Observe all necessary precautions for handling fine powders to control dust. May present dust explosion hazard. Reference exposure limit: ACGIH (TLV) for particulate matter - 10 mg/m³ inhalable particulates, 3 mg/m³ respirable particulates. OSHA Permissible Limit (PEL) for particulate matter: total dust: 15 mg/m³; respirable fraction: 5 mg/m³
For additional information, contact Product Stewardship.

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