

HOSTANOX SE 10 P

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Substance key: SXR024410

Revision Date: 04/29/2015

Version : 3 - 0 / USA

Date of printing :08/14/2015

SECTION 1. IDENTIFICATION

Identification of the company:	Clariant Produkte (Deutschland) GmbH Frankfurt am Main, 65926 Telephone No.: +49 69 305 18000
Information of the substance/preparation:	Product Safety 1-704-331-7710
Emergency tel. number:	+1 800-424-9300 CHEMTREC

Trade name: HOSTANOX SE 10 P
Material number: 107016
CAS number: 2500-88-1
Synonyms: Hostanox SE 10 powder
Chemical family: dioctadecyl disulphide

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Combustible dust :

GHS Label element

Signal word : Warning

Hazard statements : May form combustible dust concentrations in air

Precautionary statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243 Take precautionary measures against static discharge.
P233 Keep container tightly closed.

Other hazards

Does not require a hazard warning label, but the normal safety precautions for handling chemicals must be observed.

Dust can form an explosive mixture in air.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
Product	Not Assigned	100

SECTION 4. FIRST AID MEASURES

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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	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if irritation develops and persists.
If swallowed	: Rinse mouth thoroughly with water. Do not induce vomiting. Get immediate medical help.
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	: Foam Water spray jet Dry powder
Unsuitable extinguishing media	: High volume water jet Carbon dioxide (CO ₂)
Specific hazards during firefighting	: None known. Electrical grounding of equipment is required to prevent possible dust explosion. Emits toxic fumes under fire conditions.
Further information	: Fire fighters should wear full protective clothing including a NIOSH approved self-contained breathing apparatus. During a fire, irritating and/or toxic gases from combustion/decomposition products may be present.
Special protective equipment for firefighters	: Wear personal protective equipment. In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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Personal precautions, protective equipment and emergency procedures	: Wear suitable protective equipment. Wearing appropriate personal protective equipment, contain spill and collect into a suitable container. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.
Environmental precautions	: Do not allow to enter drains or waterways
Methods and materials for containment and cleaning up	: Take up mechanically Treat recovered material as described in the section "Disposal considerations".

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	: Avoid dust formation.
Advice on safe handling	: Avoid dust formation. Keep away from sources of ignition. Lead off electrostatic charges. Avoid inhalation, ingestion and contact with skin and eyes. Wash thoroughly after handling.
Technical measures/Precautions	: Store in a cool, dry, well-ventilated area. Keep container sealed when not in use.
Materials to avoid	: Do not store or transport together with foodstuffs Do not store with strong oxidizing agents

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

No level has been established by OSHA, NIOSH, ACGIH.

Engineering measures	: Use adequate exhaust ventilation and/or dust collection to keep dust levels below exposure limits.
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Personal protective equipment

Respiratory protection	: Use NIOSH/MSHA approved respirators following manufacturer's recommendations where dust or fume may be generated.
Hand protection	
Remarks	: Nitrile rubber gloves.
Eye protection	: Safety glasses or chemical splash goggles.

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- Skin and body protection : Wear suitable protective equipment.
- Protective measures : Observe the usual precautions for handling chemicals.
- Hygiene measures : Observe the usual precautions for handling chemicals.
Wash hands before breaks and at the end of workday.
Do not eat, drink or smoke when using this product.
Keep working clothes separately.
Keep away from food and drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : powder
- Colour : cream
- Odour : not specified
- Odour Threshold : not tested.
- pH : Not applicable
- Drop point : approx. 60 °C
Method: ASTM D 3954-94
- Boiling point : not determined
- Flash point : 220 °C
Method: DIN 51758 (closed cup)
- Evaporation rate : not tested.
- Flammability (solid, gas) : not highly flammable
GLP: no
- Upper explosion limit : not tested.
- Lower explosion limit : 60,000 mg/m³
- Vapour pressure : 0.000026 hPa (20 °C)
Method: OECD Test Guideline 104
GLP: yes
- 0.000041 hPa (25 °C)
Method: OECD Test Guideline 104
GLP: yes
- 0.000034 hPa (50 °C)
Method: OECD Test Guideline 104
GLP: yes

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Relative vapour density	: not tested.
Density	: approx. 0.92 g/cm ³ (23 °C) Method: ISO 1183
Solubility(ies) Water solubility	: < 0.5 mg/l (17 - 22 °C) Method: OECD Test Guideline 105 GLP: no
Solubility in other solvents	: approx. 150 g/l (20 °C) Solvent: Toluene approx. 1.04 g/l (23 °C) Solvent: 1-octanol
Partition coefficient: n-octanol/water	: log Pow: 18.6 (25 °C) Method: other (calculated)
Decomposition temperature	: No decomposition if used as directed.
Viscosity Viscosity, dynamic	: not tested.
Viscosity, kinematic	: Not applicable
Explosive properties	: Not explosive Method: Expert judgement GLP: no
Oxidizing properties	: The substance or mixture is not classified as oxidizing. Method: Expert judgement GLP: no The product does not contain organic peroxide-groups which result from either the manufacturing process or from added ingredients.
Surface tension	: not required

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable
Possibility of hazardous	: The product is not a dust explosion risk as supplied; however

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reactions	the build-up of fine dust can lead to a risk of dust explosions. The substance or mixture does not emit flammable gases in contact with water. Not corrosive to metals
Conditions to avoid	: None known.
Incompatible materials	: no data available
Hazardous decomposition products	: At high temperatures: thermal decomposition giving toxic products. Hydrogen sulfide (H ₂ S) Sulphur oxides Carbon monoxide and carbon dioxide Toxic gases/vapours

The product does not contain any chemical groups which suggest self-reactive properties, nor is the estimated SADT less than 75 °C, nor is the exothermic decomposition energy higher than 300 J/g.

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

None known.

Acute toxicity**Product:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Acute inhalation toxicity : Remarks: not tested.

Acute dermal toxicity : Remarks: not tested.

Skin corrosion/irritation**Product:**

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

GLP: yes

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

Species: rabbit eye

Result: No eye irritation

Method: OECD Test Guideline 405

GLP: yes

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Respiratory or skin sensitisation**Product:**

Remarks: not tested.

Germ cell mutagenicity**Product:**

Genotoxicity in vitro : Remarks: not tested.

Germ cell mutagenicity -
Assessment : No information available.**Carcinogenicity****Product:**Carcinogenicity -
Assessment : No information available.**IARC** Not listed**OSHA** Not listed**NTP** Not listed**Reproductive toxicity****Product:**Reproductive toxicity -
Assessment : No information available.**Repeated dose toxicity****Product:**

Remarks: not tested.

Experience with human exposure**Product:**General Information : The possible symptoms known are those derived from the
labelling (see section 2).**Further information****Product:**Remarks: According to experience, the product is considered to be harmless to health if used in
the correct manner

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

- Toxicity to fish : LL50 (Danio rerio (zebra fish)): > 100 mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: OECD Test Guideline 203
GLP: yes
- Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: Immobilization
Method: OECD Test Guideline 202
GLP: yes
- NOEL (Daphnia magna (Water flea)): 100 mg/l
Exposure time: 48 h
Test Type: Immobilization
Method: OECD Test Guideline 202
GLP: yes
- Toxicity to algae : EL50 (Desmodesmus subspicatus (Scenedesmus subspicatus)): > 100 mg/l
End point: Growth rate
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes
- NOEC (Desmodesmus subspicatus (Scenedesmus subspicatus)): 100 mg/l
End point: Growth rate
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes
- LOEC (Desmodesmus subspicatus (Scenedesmus subspicatus)): > 100 mg/l
End point: Growth rate
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)): 100 mg/l
Exposure time: 21 d
End point: Reproduction rate
Test Type: semi-static test
Method: OECD Test Guideline 211
GLP: yes
- LOEC (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 21 d

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- End point: Reproduction rate
Test Type: semi-static test
Method: OECD Test Guideline 211
GLP: yes
- Toxicity to bacteria : NOEC (activated sludge, domestic): 1,000 mg/l
End point: Bacteria toxicity (respiration inhibition)
Exposure time: 3 h
Test Type: aquatic
Method: OECD Test Guideline 209
GLP: yes
- Sediment toxicity : NOEC (*Lumbriculus variegatus* (Worm)): 1000 mg/l
Sediment: artificial soil
Exposure duration: 28 d
Basis for effect: Reproduction
Test substance: artificial soil
Method: OECD 225
GLP: yes

Persistence and degradability**Product:**

- Biodegradability : Inoculum: predominantly domestic sewage
Biodegradation: 32 %
Exposure time: 28 d
Method: OECD Test Guideline 301F
GLP: yes
Remarks: Not readily biodegradable.
- Stability in water : Method: OECD Test Guideline 111
GLP: yes
Remarks: Not applicable

Bioaccumulative potential**Product:**

- Bioaccumulation : Remarks: not available

Mobility in soil**Product:**

- Distribution among environmental compartments : adsorption
Method: OECD Test Guideline 121
Remarks: Koc for soil and sewage sludge could not be determined.

Other adverse effects**Product:**

- Environmental fate and pathways : Remarks: no data available

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Results of PBT and vPvB assessment : Remarks: No information is available as no chemical safety report (CSR) is required.

Additional ecological information : Product is insoluble in water
The product should not be allowed to enter drains, water courses or the soil.
May be eliminated in purification plants

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

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

Waste from residues : Dispose of spilled or waste product, contaminated soil and other contaminated materials in licensed landfill or treatment facility in accordance with all local, state, and federal regulations.

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

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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 : On TSCA Inventory

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**

On the basis of an extensive test program, which had to be submitted to the competent authority on the occasion of the Notification of the substance in the European Community, this product was found to be toxicologically not dangerous within the meaning of the EC Directives.

Handle with care. Organic dusts have the potential to be explosive with static spark or flame initiation.

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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.

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