

HOSTANOX P-EPQ PILLS

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Substance key: KS14318

Revision Date: 12/08/2015

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SECTION 1. IDENTIFICATION

Identification of the company:

Clariant Plastics & Coating USA Inc.
4000 Monroe Road
Charlotte, NC, 28205
Telephone No.: +1 704 331 7000

Information of the substance/preparation:

Product Stewardship, +1-704-331-7710

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

HOSTANOX P-EPQ PILLS

Material number:

129897

CAS number:

119345-01-6

Primary product use:

Antioxidant

Chemical family:

Aryl phosphonite processing stabilizer

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

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

Substance / Mixture

- Substance

Hazardous components

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)., None under Title III of SARA

SECTION 4. FIRST AID MEASURES

General advice

: Get medical advice/ attention if you feel unwell.

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.

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- 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 : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
- If swallowed : Do NOT induce vomiting.
Call a physician immediately.
- 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 : all
- Unsuitable extinguishing media : No restrictions
- Specific hazards during firefighting : Carbon oxides
Oxides of phosphorus
None known.
- Further information : Cool containers/tanks with water spray.
Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus and full protective clothing.
- Special protective equipment for firefighters : Wear personal protective equipment.
In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.
Small spills may be flushed to the sewer or swept up. Larger spills should be collected by shovelling into appropriate waste collection containers. Clean-up by flushing with water if desired or removal of contaminated soil. Utilize recommended clothing and equipment.
- Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

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Methods and materials for containment and cleaning up : Take up mechanically
Avoid dust formation.
Take measures to prevent the build up of electrostatic charge.
Risk of dust explosion.
Treat recovered material as described in the section "Disposal considerations".

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Take precautionary measures against static discharges. Avoid dust formation. Keep away sources of ignition.

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 original container.
Keep container tightly closed.
Store in a cool, dry, well-ventilated area.

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

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

Personal protective equipment

Respiratory protection : 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.

Skin and body protection : Wear suitable protective equipment.

Protective measures : Observe the usual precautions for handling chemicals.

Hygiene measures : This substance is classified as non-hazardous. However the usual precautions for handling chemicals must be observed to avoid contact with the skin, eyes and respiratory tract. In case of contact with the product, wash the eye immediately with running water and the skin with water and soap.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Pastilles
Particle size :	not tested.
Colour	: white to slightly yellow
Odour	: not specified
Odour Threshold	: not tested.
pH	: Not applicable
Drop point	: 100 - 110 °C Method: 92/69/EEC, A.1. GLP: yes
Melting point	85 - 103 °C Method: OECD Test Guideline 102 GLP: yes
Boiling point	: > 280 °C (1,013 hPa) Decomposition: yes Method: OECD Test Guideline 103 GLP: yes
Flash point	: Not applicable
Evaporation rate	: not tested.
Flammability (solid, gas)	: not determined
Upper explosion limit	: not tested.
Lower explosion limit	: not tested.
Combustion number :	BZ2 Short flaring up without spreading Method : Combustibility test safety laboratory GLP: no
Vapour pressure	: < 0.000001 Pa (approx. 20 °C) Method: OECD Test Guideline 104 GLP: no
Relative vapour density	: not tested.
Density	: 1.04 g/cm ³ (20 °C, 1,013 hPa) Method: OECD Test Guideline 109 GLP: yes

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Solubility(ies)	
Water solubility	: < 1 mg/l (20 °C) Method: OECD Test Guideline 105 GLP: yes
Solubility in other solvents	: not tested. Solvent: fat
Partition coefficient: n-octanol/water	: log Pow: > 6 (25 °C) Method: OECD Test Guideline 117 GLP: yes
Auto-ignition temperature	: not tested.
Decomposition temperature	: > 280 °C Method: Thermogravimetry
Viscosity	
Viscosity, dynamic	: 3,270 mPa.s (130 °C) 386 mPa.s (150 °C)
Viscosity, kinematic	: Not applicable
Explosive properties	: Not explosive Not explosive Method: Directive 84/449/EEC, A.14 GLP: no
Oxidizing properties	: The substance or mixture is not classified as oxidizing. Method: Directive 84/449/EEC, A.17 GLP: no The product does not contain organic peroxide-groups which result from either the manufacturing process or from added ingredients.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable
Possibility of hazardous reactions	: Stable Reactions with strong alkalies and oxidising agents. The product is not a dust explosion risk as supplied; however 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

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Conditions to avoid : None known.

Incompatible materials : no data available

Hazardous decomposition products : Carbon oxides
Oxides of phosphorus

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

Eye contact
Skin contact
Inhalation

Acute toxicity**Product:**

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

Acute inhalation toxicity : Remarks: not tested.

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

Skin corrosion/irritation**Product:**

Species: Rabbit
Exposure time: 4 h
Assessment: non-irritant
Method: Directive 67/548/EEC, Annex V, B.4.
Result: No skin irritation
GLP: yes

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

Species: Rabbit
Result: No eye irritation
Assessment: non-irritant
Method: OECD Test Guideline 405
GLP: yes

Respiratory or skin sensitisation**Product:**

Test Type: Guinea pig maximization test

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

Germ cell mutagenicity**Product:**

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

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.

Experience with human exposure**Product:**

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

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

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 1,000 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: yes
Remarks: No observable toxic effect in saturated solution.

NOEC (Oncorhynchus mykiss (rainbow trout)): >= 1.2 mg/l
Exposure time: 21 d
Test Type: flow through

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Method: OECD Test Guideline 204

GLP: yes

Remarks: No observable toxic effect in saturated solution.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
GLP: yes
Remarks: No observable toxic effect in saturated solution.

Toxicity to algae : NOEC (Green algae - fresh water (Pseudokirchneriella subcapitata)): >= 100 mg/l
End point: Growth rate
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes
Remarks: No observable toxic effect in saturated solution.

Toxicity to bacteria : EC50 (activated sludge): > 1,000 mg/l
End point: Bacteria toxicity (respiration inhibition)
Exposure time: 3 h
Method: OECD Test Guideline 209
GLP: yes
Remarks: No observable toxic effect in saturated solution.

Toxicity to soil dwelling organisms : Test Type: artificial soil
NOEC (Eisenia fetida (earthworms)): > 1,000 mg/kg
Exposure time: 14 d
Method: OECD Test Guideline 207
GLP: yes

Plant toxicity : EC50 (Avena sativa (oats)): > 100 mg/kg
End point: Growth
Method: OECD Guide-line 208
GLP: yes

EC50 (Brassica rapa): > 100 mg/kg
End point: Growth
Method: OECD Guide-line 208
GLP: yes

EC50 (Lepidium sativum (cress)): > 100 mg/kg
End point: Growth
Method: OECD Guide-line 208
GLP: yes

Persistence and degradability**Product:**

Biodegradability : Inoculum: activated sludge
Result: Not biodegradable
Exposure time: 28 d
Method: OECD Test Guideline 301F

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GLP: yes

Inoculum: activated sludge, domestic

BOD/CODX100

Result: Not readily biodegradable.

Biodegradation: 24.5 % (BOD/CODX100)

Exposure time: 28 d

Method: OECD Test Guideline 302C

GLP: yes

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: not available

Mobility in soil

no data available

Other adverse effects**Product:**

Environmental fate and pathways : Remarks: no data available

Additional ecological information : no data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

RCRA - Resource Conservation and Recovery Act

Authorization Act

Waste from residues

: No -- Not as sold.
: Small quantities may be treated in aerobic wastewater treatment systems. Larger quantities may be incinerated or landfilled after solidification in permitted systems.

Contaminated packaging : Dispose of in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

DOT not restricted

IATA not restricted

IMDG not restricted

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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.

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), TCSI (Taiwan), 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

SAFETY DATA SHEET



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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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