

## HOSTASTAT HS 1 PILLS ZN

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## SECTION 1. IDENTIFICATION

<b>Identification of the company:</b>	Clariant Plastics & Coating USA Inc. 4000 Monroe Road Charlotte, NC, 28205 Telephone No.: +1 704 331 7000
	<b>Information of the substance/preparation:</b> Product Stewardship, +1-704-331-7710
	<b>Emergency tel. number:</b> +1 800-424-9300 CHEMTREC

<b>Trade name:</b>	<b>HOSTASTAT HS 1 PILLS ZN</b>
<b>Material number:</b>	109444
<b>Synonyms:</b>	Hostastat HS 1 granules ZN
<b>Primary product use:</b>	Additive Industrial uses are not restricted by REACH legislation.
<b>Chemical family:</b>	sulfonic acids, petroleum, sodium salts

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with 29 CFR 1910.1200**

Acute toxicity (Oral) : Category 4

Skin irritation : Category 2

Serious eye damage : Category 1

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear eye protection/ face protection.  
P280 Wear protective gloves.**Response:**

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P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

Avoid contact with skin and eyes.

Potential environmental effects

No additional hazards are known except those derived from the labelling.

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

Substance / Mixture : Mixture  
Substance name : sulfonic acids, petroleum,sodium salts

**Hazardous components**

Chemical name	CAS-No.	Concentration (% w/w)
Alkanesulphonate sodium salt	68037-49-0	90 - 100

**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.  
  
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 : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Get medical attention immediately if irritation develops and persists.

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- If swallowed : Get immediate medical advice/ attention.  
Do NOT induce vomiting.
- If conscious, give the victim plenty of water to drink.  
Consult a physician.  
Never give anything by mouth to an unconscious person.
- 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.

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**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Foam  
Water spray jet
- Unsuitable extinguishing media : Dry powder  
Carbon dioxide (CO<sub>2</sub>)  
High volume water jet
- Specific hazards during firefighting : In case of fires, hazardous combustion gases are formed:  
Carbon monoxide (CO)  
Sulphur dioxide (SO<sub>2</sub>)
- Emits toxic and corrosive fumes under fire conditions.
- Keep away from sources of ignition. Take precautionary measures to prevent static discharges. Wear proper protective equipment to avoid inhalation of smoke, fumes, or hazardous decomposition of products.
- Further information : Wear positive pressure self-contained breathing apparatus (SCBA) and full protective equipment.
- Special protective equipment for firefighters : Self-contained breathing apparatus

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- 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 : Pick up mechanically. Rinse away rest with water.

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containment and cleaning up

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**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking.  
Vapours may spread long distances and ignite.  
Electrical equipment should be protected to the appropriate standard.  
Vapours may form explosive mixtures with air.
- 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.  
Keep away sources of ignition.

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**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.  
  
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 29CFR1910.134.
- Hand protection  
Remarks : Butyl Rubber, PVC Or Neoprene.
- Eye protection : Safety glasses or chemical splash goggles.  
Tightly fitting safety goggles
- Skin and body protection : Wear suitable protective equipment.
- 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

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before reuse.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	:	Granules
Colour	:	light yellow
Odour	:	not specified
pH	:	approx. 7 (20 °C) Concentration: 10 g/l Method: DIN EN 1262
Melting point	:	> 350 °C Method: DSC
Softening point	:	> 200 °C
Boiling point	:	> 360 °C Method: DSC
Flash point	:	not tested.
Evaporation rate	:	not tested.
Flammability (solid, gas)	:	not determined
Self-ignition	:	Method: Expert judgement The substance or mixture is not classified as pyrophoric.  Method: VDI 2263 (Grewer) The substance or mixture is not classified as self heating.
Burning number	:	not determined
Upper explosion limit / upper flammability limit	:	not tested.
Lower explosion limit / Lower flammability limit	:	not tested.
Vapour pressure	:	< 0.000001 hPa Method: Calculated by Syracuse.
Relative vapour density	:	not tested.
Density	:	approx. 1.05 g/cm <sup>3</sup> (23 °C) 30 % water-borne solution
Solubility(ies) Water solubility	:	approx. 320 g/l (25 °C)

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Solubility in other solvents	:	not tested.
Partition coefficient: n-octanol/water	:	log Pow: 0.2 Method: Calculated from the solubilities
Auto-ignition temperature	:	not tested.
Decomposition temperature	:	> 360 °C No decomposition if used as directed.
Viscosity		
Viscosity, dynamic	:	not tested.
Viscosity, kinematic	:	Not applicable
Explosive properties	:	There are no chemical groups associated with explosive properties present in the molecule. Not explosive Method: Expert judgement
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.
Self-heating substances	:	Method: Expert judgement The substance or mixture is not classified as self heating.
Surface tension	:	0.03 N/m, 1 g/l, 20 °C
Particle size	:	not tested.

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable
Possibility of hazardous reactions	:	The substance or mixture does not emit flammable gases in contact with water. Not corrosive to metals Stable
Conditions to avoid	:	Keep away from open flames, hot surfaces and sources of ignition.
Incompatible materials	:	not known
Hazardous decomposition products	:	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

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higher than 300 J/g.  
This product may release the following:  
Sulphur oxides  
Carbon dioxide (CO<sub>2</sub>)

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

Eye contact  
Skin contact  
Ingestion  
Inhalation

**Acute toxicity****Product:**

Acute oral toxicity : LD50 (Rat): > 500 - 2,000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : Remarks: no data available

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

Result: Skin irritation

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

Result: Risk of serious damage to eyes.

Method: OECD Test Guideline 405

Remarks: The toxicological data has been taken from products of similar composition.

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

Species: Guinea pig

Method: OECD Test Guideline 406

Result: non-sensitizing

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

Genotoxicity in vitro : Remarks: no data available

Germ cell mutagenicity -  
Assessment : No information available.

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**Carcinogenicity****Product:**

Remarks: not available

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

Remarks: not tested.

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

Remarks: not tested.

**Repeated dose toxicity****Product:**Species: Rat, male and female  
NOAEL: 200 mg/kg  
Application Route: oral (feed)  
Method: Chronic oral toxicitySpecies: Mouse  
NOAEL: 500 mg/kg  
Method: Subacute dermal toxicity**Aspiration toxicity****Product:**

no data available



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

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

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

Remarks: Information refers to the main component.

**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)): 9.81 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 61 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.85 mg/l  
Exposure time: 28 d  
Method: OECD Test Guideline 204
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.36 mg/l  
Exposure time: 22 d  
Method: OECD Test Guideline 202
- Toxicity to microorganisms : EC50 (Pseudomonas putida): > 1,000 mg/l  
Method: DIN 38412 T.8
- : NOEC (Pseudomonas putida): 600 mg/l  
Method: DIN 38412 T.8
- Toxicity to soil dwelling organisms : (Eisenia fetida (earthworms)): 470 mg/kg  
Exposure time: 56 d  
Method: OECD Test Guideline 222

**Ecotoxicology Assessment**

Acute aquatic toxicity : no data available

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

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Biodegradability : Remarks: This property is substance-specific and therefore cannot be given for the preparation.

Chemical Oxygen Demand (COD) : 2,065 mg/g

Dissolved organic carbon (DOC) : 400 mg/g

Physico-chemical removability : Remarks: no data available

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

Bioaccumulation : Remarks: not available

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

Stability in soil : Remarks: no data available

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

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

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

Additional ecological information : Information refers to the main component.

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

RCRA - Resource Conservation and Recovery Act

Waste from residues

: No -- Not as sold.

: 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

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**SECTION 14. TRANSPORT INFORMATION**

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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** : Skin corrosion or irritation  
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 Water Act**

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

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

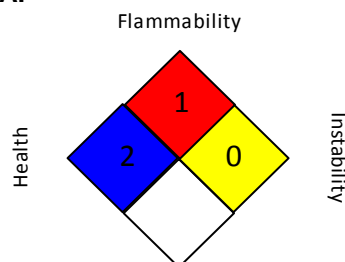
TSCA : On TSCA Inventory

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**SECTION 16. OTHER INFORMATION****Further information****NFPA:**

Special hazard.

**Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; 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 - 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; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations

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Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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.

None known.

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