

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## HOSTAFORM® CKX-5643 CY35174 PEBBLE 4 3T4

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2023/03/10	000000036707	Date of first issue: 2023/03/10

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : HOSTAFORM® CKX-5643 CY35174 PEBBLE 4 3T4  
Product code : 00000000021016394

#### Manufacturer or supplier's details

Company : Celanese (Shanghai) International Trading Co., Ltd  
Address : 4560 Jinke Road, Zhangjiang, Pudong  
Shanghai, China 201210  
Telephone :  
Emergency telephone number : CHEMTREC International phone number: +1-703-527 3887,  
+86 532 8388-9090 (China, 24h)  
E-mail address : HazCom@celanese.com

#### Recommended use of the chemical and restrictions on use

Recommended use : Plastic processing industry

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance	: pellets
Odour	: slight

Not a hazardous substance or mixture.

#### GHS Classification

Not a hazardous substance or mixture.

#### GHS label elements

Not a hazardous substance or mixture.

#### Physical and chemical hazards

Not classified based on available information.

#### Health hazards

Not classified based on available information.

#### Environmental hazards

Not classified based on available information.

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## HOSTAFORM® CKX-5643 CY35174 PEBBLE 4 3T4

Version 1.0      Revision Date: 2023/03/10      SDS Number: 000000036707      Date of last issue: -  
Date of first issue: 2023/03/10

### Additional Labelling

The following percentage of the mixture consists of ingredient(s) with unknown acute oral toxicity: 9 %

The following percentage of the mixture consists of ingredient(s) with unknown acute dermal toxicity: 9 %

The following percentage of the mixture consists of ingredient(s) with unknown acute inhalation toxicity: 9 %

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 9 %

### Other hazards which do not result in classification

None known.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
formaldehyde	50-00-0	<= 0.02

## 4. FIRST AID MEASURES

General advice : Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

In case of skin contact : Cool skin rapidly with cold water after contact with molten material.  
Do not peel solidified product off the skin.  
Burns must be treated by a physician.

In case of eye contact : Remove contact lenses.  
Protect unharmed eye.  
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : None known.

Notes to physician : Treat symptomatically.

## 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water  
Foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)

Specific hazards during fire- : Do not use a solid water stream as it may scatter and spread

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according to GB/T 16483 and GB/T 17519



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Version 1.0	Revision Date: 2023/03/10	SDS Number: 000000036707	Date of last issue: - Date of first issue: 2023/03/10
----------------	------------------------------	-----------------------------	--

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fighting	fire.
Hazardous combustion products	: Formaldehyde  Carbon oxides
Specific extinguishing methods	: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

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### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
Environmental precautions	: No special environmental precautions required.
Methods and materials for containment and cleaning up	: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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### 7. HANDLING AND STORAGE

#### Handling

Advice on protection against fire and explosion	: Provide appropriate exhaust ventilation at places where dust is formed.  During processing, dust may form explosive mixture in air.
Advice on safe handling	: For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Minimize dust generation and accumulation.
Avoidance of contact	: Not applicable

#### Storage

Conditions for safe storage	: Electrical installations / working materials must comply with the technological safety standards. Keep in a dry, cool place. Maintain dryness of resin
Materials to avoid	: No materials to be especially mentioned.
Further information on storage stability	: No decomposition if stored and applied as directed.

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Version 1.0      Revision Date: 2023/03/10      SDS Number: 000000036707      Date of last issue: -  
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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
formaldehyde	50-00-0	MAC	0.5 mg/m <sup>3</sup>	CN OEL
			Further information: G1 - Carcinogenic to humans, Sensitizing	
		TWA	0.1 ppm	ACGIH
		STEL	0.3 ppm	ACGIH

**Engineering measures** : Local exhaust

#### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Eye/face protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : pellets

Odour : slight

Flash point : Not applicable

Vapour pressure : not determined

Density : ca. 1.4 - 1.8 g/cm<sup>3</sup> (20 °C)

Solubility(ies)

Water solubility : insoluble

Auto-ignition temperature : For further information, refer to the product technical data sheet.

### 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : Stable under recommended storage conditions.  
No hazards to be specially mentioned.  
Dust may form explosive mixture in air.

Conditions to avoid : No data available

Incompatible materials : Not applicable

Hazardous decomposition products : No data available

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according to GB/T 16483 and GB/T 17519



## HOSTAFORM® CKX-5643 CY35174 PEBBLE 4 3T4

Version 1.0	Revision Date: 2023/03/10	SDS Number: 000000036707	Date of last issue: - Date of first issue: 2023/03/10
----------------	------------------------------	-----------------------------	--

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### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

#### Components:

##### formaldehyde:

Acute oral toxicity	:	LD50 (Rat, male): 460 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	:	LC50 (Rat): 1 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403
Acute dermal toxicity	:	270 mg/kg

#### Skin corrosion/irritation

Not classified based on available information.

#### Components:

##### formaldehyde:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	Corrosive

#### Serious eye damage/eye irritation

Not classified based on available information.

#### Components:

##### formaldehyde:

Species	:	Rabbit
Result	:	Corrosive
Method	:	OECD Test Guideline 405

#### Respiratory or skin sensitisation

##### Skin sensitisation

Not classified based on available information.

##### Respiratory sensitisation

Not classified based on available information.

#### Components:

##### formaldehyde:

Species	:	Mouse
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# SAFETY DATA SHEET

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## HOSTAFORM® CKX-5643 CY35174 PEBBLE 4 3T4

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2023/03/10	000000036707	Date of first issue: 2023/03/10

---

Method : OECD Test Guideline 429  
Result : May cause sensitisation by skin contact.

### Germ cell mutagenicity

Not classified based on available information.

#### Components:

##### formaldehyde:

Genotoxicity in vivo : Species: Rat  
Method: Mutagenicity (micronucleus test)  
Result: negative

### Carcinogenicity

Not classified based on available information.

### Reproductive toxicity

Not classified based on available information.

#### Components:

##### formaldehyde:

Effects on foetal development : Species: Mouse  
Application Route: Oral  
Result: no adverse developmental effects

### STOT - single exposure

Not classified based on available information.

### STOT - repeated exposure

Not classified based on available information.

### Aspiration toxicity

Not classified based on available information.

### Further information

#### Product:

Remarks : No data available

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### formaldehyde:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 6.7 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

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according to GB/T 16483 and GB/T 17519



## HOSTAFORM® CKX-5643 CY35174 PEBBLE 4 3T4

Version 1.0	Revision Date: 2023/03/10	SDS Number: 000000036707	Date of last issue: - Date of first issue: 2023/03/10
----------------	------------------------------	-----------------------------	--

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Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia pulex (Water flea)): 5,800 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : (Desmodesmus subspicatus (green algae)): Method: OECD Test Guideline 201  
  
EC50 (Scenedesmus quadricauda (Green algae)): 4.89 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

### Persistence and degradability

#### Components:

#### formaldehyde:

Biodegradability : Inoculum: Fresh water  
Result: Readily biodegradable.  
Method: OECD Test Guideline 301C

### Bioaccumulative potential

#### Components:

#### formaldehyde:

Bioaccumulation : Bioconcentration factor (BCF): 0.4  
Remarks: Does not significantly accumulate in organisms.

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Additional ecological information : No data available

#### Components:

#### formaldehyde:

Results of PBT and vPvB assessment : The substance does not meet the criteria for PBT / vPvB according to REACH, Annex XIII

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## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Where possible recycling is preferred to disposal or incineration.  
Dispose of in accordance with local regulations.

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Version 1.0	Revision Date: 2023/03/10	SDS Number: 000000036707	Date of last issue: - Date of first issue: 2023/03/10
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Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable

##### IATA-DGR

UN/ID No. : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Packing instruction (cargo aircraft) : Not applicable  
Packing instruction (passenger aircraft) : Not applicable

##### IMDG-Code

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
EmS Code : Not applicable  
Marine pollutant : Not applicable

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### National Regulations

##### GB 6944/12268

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable

#### Special precautions for user

Not applicable

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### 15. REGULATORY INFORMATION

#### National regulatory information

### 16. OTHER INFORMATION

Date format : yyyy/mm/dd

#### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
CN OEL : Occupational exposure limits for hazardous agents in the workplace - Chemical hazardous agents.

ACGIH / TWA : 8-hour, time-weighted average  
ACGIH / STEL : Short-term exposure limit  
CN OEL / MAC : Maximum allowable concentration

AllC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; 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; 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; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System

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according to GB/T 16483 and GB/T 17519



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Version	Revision Date:	SDS Number:	Date of last issue: -
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### Disclaimer

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