

CLASSIFICATION: 07 10 00 Dampproofing and Waterproofing

PRODUCT DESCRIPTION: HYDROBAR TUBES are a detailing accessory product for CETCO Waterproofing Systems used at the footing/wall junction to provide additional waterproofing protection. HYDROBAR TUBES consist of a thin, watersoluble tubing filled with granular sodium bentonite. When wetted, the tubing dissolves, allowing the bentonite to hydrate and form into a dense, low permeable material that combines with the sodium bentonite in the VOLCLAY System products. Each Hydrobar Tube measures 2" (50 mm) in diameter by 2' (0.61 m), assuring a consistent application of sodium bentonite at the critical footing/wall junction. Mineralogical composition of the sodium bentonite is a minimum 90% Montmorillonite with a maximum 10% native sediments and unaltered volcanic ash. Typical sieve analysis is 90% through a 20 mesh sieve and 10% through a 200 mesh sieve. Free swell rating of the bentonite is: two grams sifted into deionized water swells to occupy a minimum volume of 16 cc.

Section 1: Summary

Nested Method / Material Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

Residuals/Impurities
Considered in 0 of 2 Materials

Explanation(s) provided
for Residuals/Impurities?
 Yes No

Are All Substances Above the Threshold Indicated:

Characterized Yes No
Percent Weight and Role Provided?

Screened Yes No
Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
Name and Identifier Provided?

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

BENTONITE [**BENTONITE** LT-UNK **SODIUM O-PHENYLPHENATE** LT-1 | CAN | AQU | SKI | EYE | MUL **ALUMINUM OXIDE** LT-P1 | RES **ALUMINUM COMPOUNDS** LT-UNK | RES **IRON OXIDE** LT-UNK **MAGNESIUM OXIDE** LT-UNK | CAN **CALCIUM OXIDE** LT-P1 **FERRIC OXIDE** BM-2 | CAN **IRON OXIDES (MAK LIST OF 4)** LT-UNK | CAN **SILICA, AMORPHOUS** LT-P1 | CAN **AMORPHOUS SILICA SUBGROUPS (MAK LIST)** LT-UNK **PHOSPHORUS PENTOXIDE** LT-P1 | SKI **QUARTZ** LT-1 | CAN **CRYSTALLINE SILICAS - RESPIRABLE** LT-1 | CAN **SODIUM OXIDE** LT-UNK **SULFUR** LT-UNK | SKI **TITANIUM DIOXIDE** LT-1 | CAN | END **TITANIUM DIOXIDE COMPOUNDS** LT-1 | CAN **WATER** BM-4 **BIOCIDAL COATINGS / BIOCIDAL ADDITIVES (GADSL LIST)** NoGS **BIOCIDES** NoGS **ANTIMICROBIALS** NoGS] **WATER SOLUBLE FILM** [**POLY(VINYL ALCOHOL)** LT-UNK **SODIUM METHOXIDE** LT-P1 | PHY | SKI]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen
Benchmark or List translator Score ... LT-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*
No certifications have been added to this HPD.

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

Yes

No

PREPARER: **Self-Prepared**

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-05-29

PUBLISHED DATE: 2018-06-01

EXPIRY DATE: 2021-05-29



Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

BENTONITE

%: 95.0000 - 99.0000

HPD URL: <http://www.cetco.com>

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES: granular bentonite

BENTONITE

ID: 1302-78-9

%: 95.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: waterproofing material

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: natural sodium bentonite

SODIUM O-PHENYLPHENATE

ID: 132-27-4

%: 0.0100 - 1.0000

GS: LT-1

RC: None

NANO: No

ROLE: Barrier Material

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

IARC

Group 2B - Possibly carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

EYE IRRITATION

EU - GHS (H-Statements)

H318 - Causes serious eye damage

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Barrier material

ALUMINUM OXIDE

ID: 1344-28-1

%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only		
SUBSTANCE NOTES: Imported from Pharos process chemistry research				

ALUMINUM COMPOUNDS

ID: **Not registered**

%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only		
SUBSTANCE NOTES: Imported from Pharos process chemistry research				

IRON OXIDE

ID: **1332-37-2**

%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Imported from Pharos process chemistry research				

MAGNESIUM OXIDE

ID: **1309-48-4**

%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		
SUBSTANCE NOTES: Imported from Pharos process chemistry research				

CALCIUM OXIDE

ID: **1305-78-8**

%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			

FERRIC OXIDE

ID: 1309-37-1

%: Impurity/Residual	GS: BM-2	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER**MAK**

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Imported from Pharos process chemistry research

IRON OXIDES (MAK LIST OF 4)

ID: Not registered

%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER**MAK**

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Imported from Pharos process chemistry research

SILICA, AMORPHOUS

ID: 7631-86-9

%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

Japan - GHS

Carcinogenicity - Category 1A

SUBSTANCE NOTES: Imported from Pharos process chemistry research

AMORPHOUS SILICA SUBGROUPS (MAK LIST)

ID: Not registered

%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

PHOSPHORUS PENTOXIDE

ID: 1314-56-3

%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES: Imported from Pharos process chemistry research

QUARTZ

ID: 14808-60-7

%: **Impurity/Residual** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources

CANCER

US NIH - Report on Carcinogens

Known to be Human Carcinogen (respirable size - occupational setting)

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

CANCER

New Zealand - GHS

6.7A - Known or presumed human carcinogens

CANCER

Australia - GHS

H350 - May cause cancer

CANCER

Japan - GHS

Carcinogenicity - Category 1A

CANCER

Australia - GHS

H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Imported from Pharos process chemistry research

CRYSTALLINE SILICAS - RESPIRABLE

ID: Not registered

%: **Impurity/Residual** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources

CANCER

US NIH - Report on Carcinogens

Known to be Human Carcinogen (respirable size - occupational setting)

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

SUBSTANCE NOTES: Imported from Pharos process chemistry research

SODIUM OXIDE

ID: 1313-59-3

%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Imported from Pharos process chemistry research				

SULFUR

ID: **7704-34-9**

%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation		
SUBSTANCE NOTES: Imported from Pharos process chemistry research				

TITANIUM DIOXIDE

ID: **13463-67-7**

%: Impurity/Residual	GS: LT-1	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen		
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route		
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources		
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value		
SUBSTANCE NOTES: Imported from Pharos process chemistry research				

TITANIUM DIOXIDE COMPOUNDS

ID: **Not registered**

%: Impurity/Residual	GS: LT-1	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen		
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route		
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources		
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value		

SUBSTANCE NOTES: Imported from Pharos process chemistry research

WATER

ID: 7732-18-5

#: **Impurity/Residual** GS: **BM-4** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

BIOCIDAL COATINGS / BIOCIDAL ADDITIVES (GADSL LIST)

ID: **Not registered**

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

BIOCIDES

ID: **Not registered**

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

ANTIMICROBIALS

ID: **Not registered**

#: **Impurity/Residual** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

WATER SOLUBLE FILM

#: **1.0000 - 3.0000**

HPD URL: <http://www.cetco.com>

MATERIAL THRESHOLD: **100 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: **Residuals and Impurities not considered.**

POLY(VINYL ALCOHOL)

ID: 9002-89-5

%: 100.0000 - 100.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: container material that dissolves
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: polyvinyl alcohol

SODIUM METHOXIDE

ID: 124-41-4

%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H251 - Self-heating: may catch fire

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES: Imported from Pharos process chemistry research

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

Hydrobar Tubes are 2" diameter water-soluble poly tubes filled with natural sodium bentonite.



MANUFACTURER INFORMATION

MANUFACTURER: **CETCO**

ADDRESS: **2870 Forbs Ave**

Hoffman Estates Illinois 60192, United States

WEBSITE: **http://www.cetco.com**

CONTACT NAME: **Stacy Byrd**

TITLE: **Technical Services Director**

PHONE: **1-847-851-1800**

EMAIL: **Tech.Services@Mineralstech.com**

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

MAM Mammalian/systemic/organ toxicity

MUL Multiple hazards

NEU Neurotoxicity

OZO Ozone depletion

PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)

REP Reproductive toxicity

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

LAN Land Toxicity

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

BM-2 Benchmark 2 (use but search for safer substitutes)

BM-1 Benchmark 1 (avoid - chemical of high concern)

BM-U Benchmark Unspecified (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1

LT-1 List Translator Likely Benchmark 1

LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

NoGS Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)

PostC Postconsumer

Both Both Preconsumer and Postconsumer

Unk Inclusion of recycled content is unknown

None Does not include recycled content

Other Terms

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material

Nested Method / Product Threshold Substances listed within each material per threshold indicated per product

Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology

Third Party Verified Verification by independent certifier approved by HPDC

Preparer Third party preparer, if not self-prepared by manufacturer

Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.