

# SAFETY DATA SHEET

HCS-2012 APPENDIX D TO §1910.1200

Version 1  
Product Name CHLORINATED POLYETHYLENE(CPE)

Issue Date 08-Jul-2015  
Revision date 08-Jul-2015

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name Wellpren CPE CM3678M  
Chemical Name CHLORINATED POLYETHYLENE(CPE)

### Other means of identification

Cas No information available

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

Recommended Use Used in the plastics industry as an additive to modify a range of properties. Also used in rubber industry.  
Uses advised against No information available

### Details of the supplier of the safety data sheet

Supplier Sundow Polymers Co.,Ltd.  
Address FL.8, Riverdals Building, No.350, Dongfeng Street, Weifang, Shandong, China  
Postal Code -  
Phone +(86) 536 8057068  
FAX +(86) 536 8057018  
E-mail info@sundow.com

Importer Harwick Standard Distribution Corporation  
Address  
Postal Code  
Phone  
FAX  
E-mail

### Emergency telephone number

+86 5368057068 (Only office hours available.)

## 2. HAZARDS IDENTIFICATION

### GHS Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### Label elements

Symbols/Pictograms None  
Signal word None  
Hazard Statements Not classified  
Precautionary Statements  
Prevention None  
Response None  
Storage None  
Disposal None

### Hazards not otherwise classified (HNOC)

No information available

**Unknown acute toxicity**

0% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical nature** Mixture

Chemical Name	CAS No	Weight-%
Chlorinated polyethylene	64754-90-1	>90
Talc	14807-96-6	<7
Calcium stearate	1592-23-0	0 - 3
Calcium carbonate	471-34-1	0 - 5

**4. FIRST AID MEASURES****Description of first aid measures**

General advice	In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation	Move victim to fresh air. Seek medical advice immediately if adverse symptoms such as chest tightness, respiratory irritation, coughing or breathing difficulties develop. If breathing has stopped apply artificial respiration.
Skin Contact	Remove contaminated clothing and footwear. Wash affected areas with soap and plenty of water. Decontaminate footwear and wash clothing before reuse. Seek medical advice if skin irritation develops.
Eye contact	If the dust go into eye, can rinse eyes with water for at least 5 minutes.
Ingestion	If swallowed do NOT induce vomiting. Rinse mouth thoroughly with water. Seek medical advice.

**Most important symptoms and effects, both acute and delayed**

It may cause minor irritation with eye or skin contact due to mechanical effects, but is not absorbed through the skin. Dust may cause irritation to the upper respiratory tract.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident.

**5. FIRE-FIGHTING MEASURES****Extinguishing media**

Suitable extinguishing media Use water, foam, dry chemical or carbon MEDIA dioxide to extinguish fire.  
Unsuitable extinguishing media No information available.

**Specific hazards arising from the chemical**

Oxides of carbon, hydrogen chloride, organic acids, aldehydes and alcohols.  
Dust of this material is capable of producing explosive mixtures with air.

**Protective equipment and precautions for firefighters**

Do not stay in dangerous zone without self-contained breathing apparatus.  
In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.  
Prevent fire-fighting water from entering surface water or groundwater.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Dust of this material is capable of producing explosive mixtures with air.  
Wearing full PPE isolate hazard area, increase ventilation and restrict access. Remove all ignition sources.  
Take steps to reduce dust generation as this material is capable of producing explosive mixtures with air.

### **Methods and material for containment and cleaning up**

Sweeping or vacuuming techniques.

Small Spills: Wear suitable respiratory protection. Use a dry cleaning procedure and avoid generating dust. Sweep or vacuum up the product and place in sealable containers. Label the containers to ensure appropriate disposal.

Large spills: Wearing the personal protective equipment listed in Section 8 use a dry clean-up procedure.

Vacuuming is the preferred method. Alternatively, sweep up product with a broom. Take steps to minimise generation of airborne dust. Place contaminated material in suitably labelled, containers. Prevent substance from entering drains, waterways or groundwater.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

Practice sound industrial hygiene. Wash hands before work breaks and at the end of a shift. When handling minimise contact with product by always wearing the recommended personal protection equipment (See Section 8). Avoid dust generation - material is capable of forming explosive mixtures with air. Avoid breathing airborne dust. Avoid contact with, or inhaling vapour emanating from molten material.

### **Conditions for safe storage, including any incompatibilities**

Store in a cool, well ventilated place. Avoid exposure to direct sunlight or heat.

Store away from incompatible materials (see Section 10). Protect against physical damage.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control parameters**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Denmark	European Union
Talc (CAS #: 14807-96-6)	TWA: 2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	-	IDLH: 1000 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> containing no Asbestos and <1% Quartz respirable dust	TWA: 0.3 fiber/cm <sup>3</sup>	-
Calcium stearate (CAS #: )	TWA: 10 mg/m <sup>3</sup> except stearates of toxic metals	-	-	-	-
Calcium carbonate (CAS #: 471-34-1)	-	-	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust	-	-

Chemical Name	Latvia	France	Finland	Germany	Italy
Talc (CAS #: 14807-96-6)		-	TWA: 0.5 fiber/cm <sup>3</sup> STEL: 2 ppm STEL: 1 ppm	Skin	-
Calcium carbonate (CAS #: 471-34-1)	TWA: 6 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	-	-	-

Chemical Name	Poland	Portugal	Spain	Switzerland	Netherlands
Talc (CAS #: 14807-96-6)	-	-	-	-	TWA: 0.25 mg/m <sup>3</sup>
Calcium stearate (CAS #: )	-	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	-	-
Calcium carbonate (CAS #: 471-34-1)	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	-	TWA: 3 mg/m <sup>3</sup>	-

Chemical Name	Norway	United Kingdom	Australia	Austria	Belgium

Talc (CAS #: 14807-96-6)	TWA: 6 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> STEL: 6 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>	-	2.5 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	-
Calcium stearate (CAS #.)	-	-	10 mg/m <sup>3</sup>	-	-
Calcium carbonate (CAS #: 471-34-1)	-	-	10 mg/m <sup>3</sup>	-	-

**Appropriate engineering controls**

Use only in well ventilated areas or use good general mechanical extraction ventilation to maintain air concentrations below exposure standards.

**Individual protection measures, such as personal protective equipment**

- Respiratory protection Use a dust respirator.
- Hand Protection Wear protective gloves.
- Eye/face protection Safety glasses should be sufficient for most operations; however, for dusty operations wear chemical goggles. If vapor exposure causes eye discomfort, use a fullface respirator.
- Skin and body protection No precautions other than clean body covering clothing should be needed.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

Appearance	Powder
Color	White
Odor	Odorless
Odor Threshold	Not determined
pH	Not determined
Melting point/freezing point	Not determined
Boiling point / boiling range	Not determined
Flash point	Not applicable
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Flammability Limit in Air	Not determined
Vapor Pressure	Not applicable
Vapor density	Not determined
Density	1.1-1.3 g/cm <sup>3</sup>
Relative density	Not determined
Bulk density	0.45-0.6 g/cm <sup>3</sup>
Specific gravity	Not determined
Water solubility	Insoluble at 20 °C
Partition coefficient (LogPow)	Not determined
Autoignition temperature	Not determined
Decomposition temperature	App. 160 °C
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Explosive properties	Not an explosive
Oxidizing properties	Not determined

**Other information**

No information available

**10. STABILITY AND REACTIVITY**

**Reactivity**

Stable under recommended storage and handling conditions (see SECTION 7, handling and storage).

**Chemical stability**

This material is stable under normal ambient and anticipated storage and handling conditions.

**Possibility of Hazardous Reactions**

None under normal processing

**Conditions to avoid**

Strong heating, open flames.

**Incompatible materials**

Oxides of carbon, hydrogen chloride, organic acids, aldehydes and alcohols.

**Hazardous Decomposition Products**

Irritating gases may be emitted upon the temperature 160°C.

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

Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system.
Eye contact	Contact with eyes may cause irritation.
Skin Contact	Substance may cause slight skin irritation.
Ingestion	Ingestion may cause irritation to mucous membranes

**Information on toxicological effects****Acute toxicity**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Chlorinated polyethylene (CAS #: 64754-90-1)	> 5 g/kg ( Rat )	-	-
Calcium stearate (CAS #. )	> 10 g/kg ( Rat )	-	-
Calcium carbonate (CAS #: 471-34-1)	> 2000 mg/kg bw(rat)	> 2000 mg/kg bw(rat)	> 3 mg/L(rat)

**Skin corrosion/irritation**

Non-irritating to the skin

**Serious eye damage/eye irritation**

No eye irritation

**Sensitization**

No information available

**Germ cell mutagenicity**

No information available

**Carcinogenicity**

Chemical Name	ACGIH	IARC	NTP	OSHA
Talc (CAS #: 14807-96-6)	-	Group 3	-	-

**Reproductive toxicity**

No information available

**STOT - single exposure**

No information available

**STOT - repeated exposure**

No information available

**Aspiration hazard**

No information available

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Chemical Name	Algae/aquatic plants EC50	Fish LC50	Crustacea EC50
Talc (CAS #: 14807-96-6)	-	100: 96 h Brachydanio rerio g/L LC50 semi-static	-
Calcium carbonate (CAS #: 471-34-1)	-	> 100: 96 h Oncorhynchus mykiss LC50	> 100: 48 h Daphnia magna EC50

**Persistence and degradability**

No information available

**Bioaccumulative potential**

No information available

**Mobility in soil**

No information available

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated packaging

Dispose of in accordance with federal, state and local regulations

**14. TRANSPORT INFORMATION****DOT**

<b>UN/ID No.</b>	Not regulated
<b>Proper shipping name</b>	Not regulated
<b>Hazard Class</b>	Not regulated
<b>Packing Group</b>	Not regulated
<b>Special precautions</b>	No information available
<b>Marine pollutant</b>	Not applicable

**15. REGULATORY INFORMATION****International Inventories**

Component	AICS	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	TSCA
Chlorinated polyethylene 64754-90-1	X	X	-	X	X	X	X	X
Talc 14807-96-6	X	X	X	X	X	X	X	X

Calcium stearate 1592-23-0	X	X	X	X	X	X	X	X
Calcium carbonate 471-34-1	X	X	X	X	X	X	X	X

"-" Not Listed

"X" Listed

### US Federal Regulations

#### **SARA 313**

No information available

#### **SARA 311/312 Hazard Categories**

No information available

#### **CWA (Clean Water Act)**

No information available

#### **CERCLA**

No information available

### US State Regulations

#### **California Proposition 65**

No information available

#### **U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Talc 14807-96-6	X	X	-

## 16. OTHER INFORMATION

### Revision Note

Issue Date	08-Jul-2015
Revision date	08-Jul-2015
Revision Note	Not applicable

### Key or legend to abbreviations and acronyms used in the safety data sheet

**TWA** - TWA (time-weighted average)

**STEL** - STEL (Short Term Exposure Limit)

**Ceiling** - Maximum limit value

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

----- **End of Safety Data Sheet** -----