SAFETY DATA SHEET

HCS-2012 APPENDIX D TO §1910.1200

Version 1 **Issue Date** 08-Jul-2015
Product Name CHLORINATED POLYETHYLENE(CPE) **Revision date** 08-Jul-2015

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

Product identifier

Product Name	CHLORINATED POLYETHYLENE(CPE), WELLPREN CPE
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	
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	⩾ 93
Talc	14807-96-6	0 - 5
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^3 particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	-	IDLH: 1000 mg/m^3 TWA: 2 mg/m^3 containing no Asbestos and <1% Quartz respirable dust	TWA: 0.3 fiber/cm3	-
Calcium stearate (CAS #:)	TWA: 10 mg/m^3 except stearates of toxic metals	-	-	-	-
Calcium carbonate (CAS #: 471-34-1)	-	-	TWA: 10 mg/m^3 total dust TWA: 5 mg/m^3 respirable dust	-	-

Chemical Name	Latvia	France	Finland	Germany	Italy
Talc (CAS #: 14807-96-6)		-	TWA: 0.5 fiber/cm3 STEL: 2 ppm STEL: 1 ppm	Skin	-
Calcium carbonate (CAS #: 471-34-1)	TWA: 6 mg/m^3	TWA: 10 mg/m^3	-	-	-

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

Chemical Name	Norway	United Kingdom	Australia	Austria	Belgium
Talc (CAS #: 14807-96-6)	TWA: 6 mg/m^3 TWA: 2 mg/m^3 STEL: 6 mg/m^3 STEL: 2 mg/m^3	-	2.5 mg/m^3	TWA: 2 mg/m^3	-
Calcium stearate (CAS #:)	-	-	10 mg/m^3	-	-

Calcium carbonate (CAS #: 471-34-1)	-	-	10 mg/m^3	-	-

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/cm3
Relative density	Not determined
Bulk density	0.45-0.6 g/cm3
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

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

15. REGULATORY INFORMATION

International Inventories

Component	AICS	DSL/NDSL	EINECS/ELINCS	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.

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