

SAFETY DATA SHEET

CAPIPHON™

Section 1: Product identifier & identity for the chemical	
Product Name	Trade Names: Capiphon, Smart Drain (USA) Other names: PVC belt
Product Use	Belt for drainage
Supplier	China General Plastics Corporation Ji-Hu Road, Nei-Hu District, Taipei, Taiwan
Further Information Available From:	Geoffrey Fenn
Emergency Phone Number (24 hour)	Geoffrey Fenn +61 416 044 160
Section 2: Hazard Identification	
Statement of Hazardous Nature	NON-HAZARDOUS PRODUCT NON-DANGEROUS GOODS, according to NOHSC criteria and ADG Code
Poisons Schedule	Not listed.
Hazard Statements	None required.
Precautionary Statements	None required.
Other Hazards	Refer to Section 7 Handling and Storage for general precautions for use.
Section 3: Composition/information on ingredients	
Composition and Form	Manufactured as belt for drainage as described in Section 1.
Chemical Composition	Poly vinyl chloride polymer Lead (Pb) content N.D (See manufacturer's Physical & Chemical Test Report – available on request) Cadmium (Cd) content N.D (See manufacturer's Physical & Chemical Test Report – available on request))
Section 4: First Aid Measures	
Swallowed	There are no known health effects for the ingestion of PVC. Ingestion is unlikely to occur due to the physical size and dimensions of the products. However, small particles may be generated by sawing or mechanically breaking the products or similar means.
Eye	Inapplicable to the solid product except for mechanical injury. Dust/small particles from sawing or other mechanical process may affect eyes if not protected. Hydrochloric acid and other fumes emitted during combustion can cause irritation to the eyes. Flush with copious quantities of water and treat symptomatically.

Skin	Inapplicable to the solid product except for mechanical injury. Dust/small particles from sawing or other mechanical process may affect eyes if not protected. There have not been reports of Irritation arising from such dust and small particles. Hydrochloric acid and other fumes emitted during combustion can cause irritation to the skin. Flush with copious quantities of water and treat symptomatically.
Inhaled	Inapplicable to the solid product due to the physical size and dimensions of the products. For inhalation of fumes and gaseous by-products (hydrochloric acid, carbon monoxide etc), remove the patient immediately from exposure and seek medical advice.
Notes to Physician	Treat symptomatically.

Section 5: Fire Fighting Measures	
Extinguishing Media	Water, water-fog or foam to extinguish fire. Carbon dioxide or dry chemical are suitable but are considered not as efficient due to lack of cooling capacity.
Fire Fighting	Wear fully protective body suit with self-contained breathing apparatus (S.C.B.A.) to prevent contact with fumes and gases produced during combustion.
Fire/Explosion Hazard	Combustible, self-extinguishing. Not an explosion risk. If forced to burn, it will emit dense acrid fumes containing hydrochloric acid (highly acidic and severe irritant), carbon dioxide (asphyxiant), carbon monoxide (toxic) and possibly phosgene (toxic). All are potentially lethal in sustained exposure.
Fire Incompatibility	Oxidising agents.
HAZCHEM Code	Does not meet the criteria for classification.
Personal Protection	Wear fully protective body suit with self-contained breathing apparatus (S.C.B.A.) to prevent contact with fumes and gases produced during combustion and appropriate gloves and footwear.

Section 6: Accidental release measures
Collect products and bundle or secure safely. If necessary, isolate area to prevent damage to /destruction of products by vehicles etc.

Section 7: Product identifier & identity for the chemical
Procedure for Handling
Check security of bundles of belt before releasing strapping. Injury can be sustained by rolling of rolls. Unpack rolls on a flat surface and ensure that free rolls are adequately restrained. Do not climb on rolls. Normal safe practices should be employed when working with the material; a well ventilated area and the use of eye and protection, dust masks and gloves are recommended when sawing and handling. When heating for bending or other forming, use hot water or air with appropriate safeguards. Use of an open flame is inadvisable.
Storage
Store in appropriate areas (outside or in warehouse) in accordance with site safety requirements. Do not store with oxidising agents.

Section 8: Exposure controls/personal protection
Exposure Controls

No exposure controls are necessary as products are inert and all additives are encapsulated within the polymer matrix and present no hazard under conditions of normal use and good occupational work practice.

Personal Protection (PPE)

Eye

Safety glasses are recommended in case of accidental knock when handling rolls and especially when working the belt mechanically, sawing etc.

Hands/Feet

Safety footwear and gloves.

Engineering Controls

Appropriate controls for safe working when handling and mechanically working e.g. sawing

Section 9: Physical and chemical properties

Appearance

Opaque green flexible belt, 2 mm thick, and of varying widths and lengths, with omega shaped grooves of 1 mm internal diameter, and opening of 1/3 mm.

Specific gravity:	1.450 (ASTM D792)
Hardness:	Shore A 95 ASTM D2240 Shore D 60 ASTM D2240
Tensile Strength:	2.22 kg/mm ² ASTM D638
Elongation:	289% ASTM D638
Odour:	Nil
pH:	Nil effect, insoluble
Melting point:	Softens at >75°C.
Initial boiling point and range:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability:	Will burn in contact with flame
Upper/lower flammability:	Not applicable
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Solubility:	insoluble in water
Partition coefficient:	Not applicable
Partition coefficient:	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Starts at 1400C but is time dependent
Viscosity:	Not applicable

Section 10: Stability and Reactivity

Stability

Stable at room temperatures, under normal conditions of storage and use.

Conditions to avoid

Burning

Incompatible materials

Do not store with oxidising agents.

Hazardous decomposition products

Product will start to decompose if maintained at temperatures of >1400C.

Decomposition products are hydrochloric acid, carbon dioxide, carbon monoxides and possibly phosgene.

Section 11: Toxicological information

The products are inert and insoluble and consist of a fused polymer matrix which also encapsulates all additives

Section 12: Ecological information**Ecotoxicity**

No adverse effects on environment have been reported. The product can be physically removed from waterways by means appropriate to the size of the article. It is recommended that local environmental agencies are notified.

Section 13: Disposal considerations

Recycle where possible.

Landfill or incineration in compliance with federal, state and local regulations.

Section 14: Transport information**Land Transport (Road/Rail)**

Not classified as a dangerous goods.

Marine Transport

Not classified as a dangerous goods.

Air Transport

Not classified as a dangerous goods.

Section 15: Regulatory information

There are no safety, health or environmental regulations specific to these products.

Section 16: Other information

Complies with EU RoHS (Restriction of use of certain Hazardous Substances) 2002/95/EC.

The information set forth herein has been gathered from standard reference materials and/or supplier test data and is, to the best knowledge and belief of GWST Pty Ltd, accurate and reliable. Such information is offered solely for your consideration, investigation and verification, and it is not suggested or guaranteed that the hazard precautions or procedures mentioned are the only ones, which exist. GWST Pty Ltd makes no warranties, expressed or implied, with respect to the use of such information or the use of the specific material identified herein in combination with any other material or process, and assumes no responsibility.

Prepared by: Geoffrey Fenn/Robert Walters in accordance with Safe Work Australia Guidelines