

PCT WATER REPELLENT TECHNOLOGY cc

MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME	PCT ADVANCE CODE D-023
USE	A chemical hydrophobic treatment for cementitious substrates.
MANUFACTURER	PCT WATER REPELLENT TECHNOLOGY cc
SUPPLIER	MARVEL COATINGS
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SECTION 2 HAZARDOUS COMPONENTS

CHEMICAL CHARACTERIZATION

A balanced aqueous solution of Potassium Oxide, Calcium Carbonate and water-borne polymers.

Further detail on contents is confidential.

Any hazards are included in the MSDS

SECTION 3 HAZARDS IDENTIFICATION

SLIGHTLY CORROSIVE	May cause skin burns
ENVIRONMENTAL	Harmful to aquatic organisms
FIRE OR EXPLOSION	Does not present any fire hazard.
FURTHER HAZARDS	May react with acids.
SPECIFIC HAZARD	Slightly corrosive. Danger to the environment

SECTION 4 FIRST AID MEASURES

SKIN CONTACT	Clean with mild soap and water.
EYE CONTACT	Wash with copious amounts of water. If symptoms persist, Seek medical advice.
INGESTION	If ingested, seek medical assistance immediately and show the Physician the label on the container. Do not induce vomiting.
INHALATION	Move the person to well ventilated area
ADVICE TO PHYSICIAN	At the present time no symptoms are known.

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Water Foam Carbon Dioxide
PARTICULAR HAZARDS	In case of fire, Carbon Monoxide is released into the atmosphere. The product will not add to spreading of fire in a confined area.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Forms greasy and slippery layers with water.
ENVIRONMENT	Do not allow to enter drains, sewers or waterways.
SPILLAGES	Cover the area with large quantities of sawdust or any absorbing media. Clean the contaminated area thoroughly whilst observing the environmental regulations. Dispose absorbed material in accordance with applicable legislation.

SECTION 7 HANDLING AND STORAGE

ATMOSPHERE	Ensure adequate ventilation when handling large quantities. No special measures required if stored and handled correctly.
FIRE AND EXPLOSION	No special measures required.
STORAGE	Store in cool dry area.

Protect from frost.
Do not expose to high temperatures.
Do not store in direct sunlight.
Keep containers closed at all times.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

PERSONAL	Use Personal Protection Equipment. Avoid contact with eyes and skin.
HYGIENE	Remove contaminated clothing immediately. Wash contaminated clothing immediately. Observe usual precautions when handling chemicals. Do not consume food or liquids while handling the product. Do not smoke while handling the product.
HAND PROTECTION	Use surgical gloves.
EYE PROTECTION	Wear safety glasses.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

FORM	Liquid.
COLOUR	Transparent.
BOILING POINT	Approximately 140°C
FLASH POINT	Not applicable
WATER SOLUBILITY	Miscible.
PH	10 – 12
OXIDISING PROPERTIES	Non oxidising material according to EC criteria.

SECTION 10 STABILITY AND REACTIVITY

THERMAL DECOMPOSITION	No decomposition if used as prescribed.
HAZARDOUS REACTIONS	No hazardous reactions known.

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY	LD 50 >5 mg/kg (rat) Method EEC 84/449 B.1
IRRITANT EFFECT ON SKIN	Non-irritant (rabbit) Method EEC 84/449 B.4
IRRITANT EFFECT ON EYES	Non-irritant (Rabbit eye) Method EEC 84/449 B.5
REMARKS	Frequent contact may lead to skin and eye irritation, particularly if the product is allowed to dry. According to experience, the product is considered to be harmless to health if used in the correct manner.

In view of the composition of the product, no acute general toxic effects are to be expected.

The toxicological data contained in this document is determined by analogy.

SECTION 12 ECOLOGICAL INFORMATION

BIODEGRADABILITY	>80%
	METHOD: Zahn-Wellens test method
FISH TOXICITY	LC 50> 500.MG/L (96 HOURS ZEBRA FISH)
BACTERIA TOXICITY	ECO approximately 1000mg / litre
	METHOD: OECD 209
REMARKS	Do not allow to enter into sewers, waterways or waste water. May be extracted from water by chemical flocculation. According to experience, the product has no harmful effect on the environment. Ecological data is determined by analogy.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with relevant Laws and Bylaws applicable to disposal of chemicals. Contaminated packaging containers may be reused after appropriate cleaning.

SECTION 14 TRANSPORTATION INFORMATION

INTERNATIONAL REGULATIONS

RAILROAD (RID/ADR)	Class 8 Packaging group 11 Hazards ID no 30 UN No 3267 Labelling 8
SEA	Class 8 UN No 3267 Packaging group 11 Marine pollutant: No

SECTION 15 REGULATORY INFORMATION

LABELLING	EC DIRECTIVES Mandatory labelling of hazardous substance.
CLASSIFICATION SYMBOLS R-PHRASES	Corrosive (C) R 35 MAY CAUSE SEVERE BURNS R 52/53 HARMFUL TO AQUATIC ORGANISMS

MAY CAUSE LONG TERM ADVERSE EFFECTS ON AQUATIC ORGANISMS

S-PHRASE

- S-23 Do not inhale mist.
- S-26 In case of contact, wash with copious amounts of water.
- S 36/37/39 Wear protective clothing.
- S 61 Avoid release into the atmosphere.

SECTION 16 OTHER INFORMATION

The information contained in this MSDS was obtained from reliable sources. However, the information is provided without any warranty, expressed or implied regarding the correctness of the information.

Some information contained in this MSDS and conclusions drawn herein are from sources other than direct test data of the product.

Handling, storage, application and disposal of the product are beyond our control and may be beyond our knowledge. In view of these matters we do not assume any responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling, storage or disposal of the product.