



ZARCINDIA™

ISO 9001 : 2015

A COMPLETE CONCRETE SOLUTION

Manufacturing of Admixture Waterproofing Compound & Grout Material

📍 Balaji Industrial Park, Taloja MIDC, Panvel, Dist.: Raigard, Mumbai, Maharashtra- 410 208

✉ zarcindia555@gmail.com 🌐 www.zarcindia.in 📞 + 91 7021 273 469 / + 91 9987 707 356

SENWET RX 98 HC

PC Based High Water reducing and Special for flow chemical

DESCRIPTION:

Senwet RX 98 HC Pce has been primarily developed for application in the ready mixed and precast concrete industries where the highest durability and performance is required. Senwet RX 98 HC is compatible with all Portland cements meeting recognized international standards and is free from chlorides and has been formulated to comply with ASTM C-494 for types A and F admixtures.

TECHNICAL DATA

Colour	Light Brown/ Light Red
Form	Viscous Liquid
Specific Gravity @ 30°C	1.16 ± 0.02
Chloride Contain	Nil
Solid contain	32-39 HIGH FLOW CHEM

APPLICATIONS:-

Senwet RX 98 HC pce is especially suitable for the production of concrete mixes which required high early strength development . Powerful water reduction and excellent flowability

- Pumped concrete
- Fast track concrete
- Precast concrete
- Self compacting concrete.
- High Grade concrete (M-60 and Above & Special Myone)
- Concrete requiring long workability and long flow.

ADVANTAGES:-

- Pronounced increase in the early strength development resulting in very economical stripping times for precast and in situ concrete.
- Extremely powerful water reduction, resulting in high density , high strength and reduced permeability for





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water.

- Excellent Plasticizing effect , resulting in improved flowability, placing and compacting behavior.
- Senwet RX 98 HC is differentiated from that superplasticisers in that it is based on a unique polycarboxylate ether polymer with long lateral chains . Conventional superplasticisers , such as those based on sulphonated melamine and naphthalene formaldehyde condensates, at the time of mixing , get adsorbed into the surface of the cement particles . This adsorption takes place at a very early stage in the hydration process.
- The sulphonic groups of the polymer chains increase the negative charge on the surface of the cement particle and dispersion of the cement occurs by Electrostatic repulsion.
- The long lateral chains of SENWE RX 98 HC greatly improve cement dispersion. At the start of the mixing process the same electrostatic dispersion occurs as described previously but the presence of the lateral chains , linked to the polymer backbone, generate a steric hindrance that stabilizes the cement particles capacity to separate and disperse .
- This mechanism provides flow-able concrete with greatly reduced water demand . The excellent dispersion properties of SENWET RX 98 HC make it the ideal admixture for precast concrete where low water cement ratios are required .
- Always conduct trial before combining products in specific mixes and contact our technical service department for information about specific combinations.
- High water reduction.
- Excellent early and ultimate strengths. Possibility of elimination of steam curing .Less permeable. Highly durable concrete.

DOSAGE:-

Generally 0.3 – 1.4 % by cement . Do not allow overdosing . Due to overdosing setting time will be extended gloriously. It is advisable to carry out a trial to establish the exact and optimal dosage depending upon set retardation required

HEALTH & SAFETY:-

- Use goggles and hand gloves during application .
- Clean hands with warm soap water after application.

PACKAGING:-

- Available 240/230 kgs HDPE drums and bulk tanker .

STORAGE:-

Must be stored in original packing, in ambient temperature, dry place under shed. Protect from direct sunlight.

SHELF LIFE:-12 months in original sealed condition under appropriate cooling condition.





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Material Safety Data Sheet

SENWET RX 98HC

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

01> Chemical Product Name :SENWET RX 98HC(Polymers)
 02> Use : Superplasticizer for Cement & Concrete
 03> Manufacturer :ZARC INDIA
 - Head Office :505 Akash Height
 Plot No 104 , Sector-10, Talaja Panchanand
 Phase -1 Raigarh Panvel Navi Mumbai-410208
 email id :-zarcindia555@gmail.com
 hp-8692926167/9987707356

-Factory P-27 Balaji Industrial park, Servey No-119,120,121
 Near Hindalco Co.at Tondre Village , Talaja MIDC
 Panvel Navi Mumbai -410208
 hp-9987707356/ 8692926167

2.COMPOSITION / INFORMATION ON INGREDIENTS

Composition Poly carboxylic Eather (solution)

Components	Other Names	CAS .NO	Wt%
(1) Poly carboxylic Eather	-----	Trade secret	-----
(2) Gluconate	-----	-----	-----
(3) SLES	-----	-----	-----
(4) Water	-----	7732-18-5	-----

3. HAZARD IDENTIFICATION.

No Significant Hazard





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4. FIRST-AID MEASURES.

1. Eye : Immediately flood the eye with plenty of water for at least 10 minutes .Holding the eye open. Obtain medical attention.
2. Skin :Wash skin thoroughly with soap and water . Obtain medical attention if blistering occurs or redness persists. Contaminated clothing should be washed or dry –cleaned before re-use.
- 3.Inhalation :Remove from exposure . Keep Warm and at rest. If there is difficulty in breathing give oxygen.
- 4.Ingestion : Wash out mouth with water. Give 2 or 3 glasses of milk or water to dilute and . Induce vomiting Obtain medical attention.

5.FIRE FIGHTING MEASURES.

- 1.Extinguished Media :Carbon dioxide .dry chemical. foam . Water fog extinguisher.
- 2.Specific Hazards : No data
- 3.Special fire fighting procedure :Wear positive pressure self –contained breathing apparatus is :any closed space.

6.ACCIDENTAL RELEASE MEASURES.

- 1.Personal Precaution :Wear appropriate protective clothing and equipment's.
- 2.Environmental Precaution :Try to prevent the material from entering drains or water sources advice authorities if spillage has entered water courses or sewer or has contaminated soil or vegetation.
- 3.Spillage :Soaked up with inert absorbent materials.(Dry sand earth sawdust, cloth, etc) stored in a labeled waste container for Disposal.

7.HANDLING AND STORAGE

- 1 Handling :Avoid contact with eyes, skins, and clothing avoid breathing vapor or mist, wash hands and face thoroughly after handling. Emergency shower and eye wash.
- 2.Storage :storage place should be cool dry well ventilated out of direct sunlight , Suitable storage materials are glass poly-ethylene, stainless steel . Do not store in :aluminum and its alloys, copper and its alloy.Mild steel and tin.





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8.EXPOSURE CONTROLS/PERSONAL PROTECTION

1.Exposure Limit	: No Data
2.Engineering controls:	:No Data
3.Personal Protection	: No data
4.Respiratory Protection	:Respiratory protection if there is a risk of exposure to high vapor construction.
5.Skin protection	:Rubber or plastics gloves . Rubber or plastic waterproof.
6.Eye Protection	:chemical splash goggles or face shield.

9.PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Liquid
Color	: Light yellow to brown color
Odour	:Characteristic
Ph(Working dilution)	:6—to 8
Boiling point range(°C)	:>100 °C
Flash point closed °C	: none
Autoflammability °C	:Not Applicable
Oxidising properties	:Not Determined
Relative Densityat 20 °C	:1.02 to 1.2gm/ml
Water solubility	:Easily soluble

10.STABILITY AND REACTIVITY

Stability	Stable if used according to specification.
Condition to avoid	:Exposure to air Contamination with water. Temp <10 °C
Materials to avoid	Strong acids .Strong alkalies, oxidizing agent
Hazardous Decomposition Products	:Thermal decomposition-sulphur compound

11.TOXICOLOGICAL INFORMATION

chronic	:None knowan
Additional toxicological inf	: The product shows the following dangers according to the calculation method of the General EC classifications guidelines for preparations as issued in the latest version irritant.





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12.ECOLOGICAL/ INFORMATION

Environmental assessment : Little detailed information is available on the ecological effects of this product but its overall environmental impact is not regarded as significant.

Mobility : Mobile liquid, soluble in water

Persistence and Degradability : not readily biodegradable

Ecotoxicity : Expected to be fish /daphnia/algae in cured state.

13.DISPOSAL CONSIDERATIONS

Disposable must be in accordance with local and national legislation.

Unused product:-- Disposed through an authorized waste contractor to licensed site.

Used/ Contaminated product Packaging :- As for used product cleaning by water if necessary with cleaning agent may be scammed clanked and Recycled.

14.TRANSPORTATION INFORMATION

This product is not classified dangerous for Transportation.

15.REGULATORY INFORMATION

Hazard Label Data

Name of Ingredients :PCE

Codes of practices :Waste Management. The duty of care.

Statutory Instruments Chemical (Hazards information and packing for supply amendment regs1996(SI 1092) Health and safety at work etc act 1974 control of substances hazardous health regs 1994(SI 3246)

Risk Phrases irritating to eyes respiratory system and skin.

16. OTHER INFORMATION

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other applications. Use of the product of application other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for stated application or applications without seeking advice from ZARC INDIA. If this product has been purchased for supply to third party for use at work, it is the purchaser's duty to take all necessary steps to secure that any persons handling our using the product is provided with the information's in this sheet. This sheet does not constitute or substitute for the user's own assessment for work place risk. As required by other health and safety legislation.

