



# 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

## **RENWET ZAR 501H**

**High Grade concrete superplasticizer**

**(Formerly known as Renwet zar 501H)**

### **PRODUCT:-**

Renwet zar 501 H is brown ready to use concrete .Renwet ZAR 501H is a strong slump retaining super plasticizer conforming to the specification of ASTM C 494 TYPE G and IS 9103-1999(Amendment 2003).

### **TYPICAL APPICATIONS:-**

- Used wherever optimum workability and desired set retardation and maximum compressive strength are required such as in the areas of congested reinforcement where free flowing self- compacting concrete is desired.
- Concreting of bridge girders, pre- stressed concrete members where high compressive strength coupled with high workability is of paramount importance.
- To produce high strength, High grade concrete M25 & above by substantial reduction in water resulting in low permeability and high early strength.
- Hot weather concreting where set retardation and avoidance of cold joints is essential.
- Extremely useful for concrete to be carried to longer distances, for retention of slump such as in ready mixed concrete plant.
- Extremely versatile plasticizer , useful in all grades of concrete from M-20 to M40.

### **ADVANTAGES:-**

- Increase ultimate strength with maximum water reduction .Increase considerably the workability and flow properties provides retardation
- Better slump retention , to achieve pumpable concrete.
- Reduces the segregation and bleeding.
- compatible with all types of cement.
- Reduces concrete permeability and improve water tightness.
- controls set retardation with optimum doses.





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## PROPERTIES:-

**Base:- Sulphonated Naphthalene Formaldehyde**

Appearanc:- Dark Broun Liquid

Specific Gravity :- **1.10 to 1.22**

Ph Value:-  $7 \pm 1$

Chloride content : Nil

Air Contant :- < 1%

Shelf life:- 12 Month

Storage:- Under Shade

## METHOD OF USE:-

Renwet ZAR 501H should be added to the mix along with water. Never add Renwet ZAR 501H to the dry cement or cementessios product.

## DOSAGE:-

Generally doses 0.6 to 1.8% by weight of Cementitious product Enhanced 3.3% depending on climate situations. But better go for trial mix to determine the optimum dosage.

## PACKING AND SHELF LIFE:-

Renwet ZAR 501H Is available in 250 kgs HDPE drums. Shelf life is 6 months in stored in manufacturers sealed drums in cool and dry shade.

## FIRE & SAFETY:-

Renwet ZAR 501H is non –toxic ,non-Flammable and non hazardous . However any splashes on the human body should be washed immediately with plenty of water.





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## Material Safety Data Sheet

RENWET ZAR 501 H

### 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

01> Chemical Product Name :RENWET ZAR 501 H SNF BASE  
 02> Use : Superplasticizer(Admixture) 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	Sodium Naphthalene formaldehyde		
Components	Other Names	CAS .NO	Wt%
(1) SNF (NAPHTHALENE)	-----	Trade secret	-----
(2) Gluconate	-----	-----	-----
(3) SLES	-----	-----	-----
(4) Water	-----	7732-18-5	-----
(5) Sodium Ligno	-----	-----	-----

### 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 8 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 . If feeling unwell obtain medical attention.
- 4. Ingestion : Wash out mouth with water. Do not induce vomiting obtain medical attention.

#### 5.FIRE FIGHTING MEASURES.

- 1.Extinguished Media : None , Not flammable.
- 2.Specific Hazards : None
- 3.Special Protective Equipment : None

#### 6.ACCIDENTAL RELEASE MEASURES.

- 1.Personal Precaution :Wear suitably protective clothing and equipment's. Avoid : eye and skin contact.
- 2. Environmental Precaution : Prevent Sewers and water courses. Entry into drains ,
- 3.Decontamination Procedures : Avoid the creation of dust in atmosphere .Gather into :Containers Residues may be flushed to drain with large :volumes of water prior consent must be obtained from the :local water company if discharged to sewer.

#### 7.HANDLING AND STORAGE

- 1 Handling : Avoid skins and eye contact.
- 2.Storage :store in cool dry area store away from food stuffs . Please follow the rules of the VCI storage –concept for chemical container tightly sealed.





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### 8.EXPOSURE CONTROLS & PERSONAL PROTECTION

- 1.Additional information about of design of technical system : It must be possible to wash the skin in the working area. Eye wash bottle must be available.
- 2.Engineering controls: :No Data
- 3.Personal Protection : Impervious gloves(Rubber or plastic waterproof.)  
: Chemical splash goggles or face shield.

### 9.PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Liquid
Color	: Dark Brown
Odour	:Characteristic
Ph(Working dilution)	:6—to 8.7
Boiling point range(°C)	:>100 °C
Flash point closed °C	: none
Autoflammability °C	:Not Applicable
Oxidising properties	:Not Determined
Specific Densityat 25 °C	:1.10 to 1.25gm/ml
Water solubility	:Easily soluble
Solid contain	:up to 44 %

### 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

Eye	:Irritating and may injure eye tissue if not removed promptly.
Chronic	:None known
Skin	:Irritating see "Chronic" effects.
Ingestion	:May coz irritation of mouth throat and digestive tract.
Inhalation	:Irritating to respiratory system . Inflammation of the nasal mucous membrane : by exposure to cement dust.





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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 to in accordance with local and national litigation.  
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	: This product not dangerous for supply.
Name of Ingredients	: Sodium Naphthalene formaldehyde
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.
Guidance Notes	:Occupational skin diseases health and safety precaution (EH26) Dust in the workplace general principles of protection EH 44

#### 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 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 users own assessment for work place risk. As required by other health and safety legislation.

