

Rhinolite Natural Plus

Product Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Saint-Gobain Gypsum Plasters

Trade Name

Rhinolite Natural Plus

Chemical Family

Calcium sulphate hemi hydrate

Chemical Name

Gypsum

Synonyms

Gypsum plaster

Chemical Abstract No.

Hazchem Code:

NIOSH No.

UN no. : None

2. COMPOSITION

Composition is formulated from calcium sulphate hemi hydrate, Lime, expanded vermiculite and other minor ingredients. The health and safety risks of the ingredients have been identified by the various suppliers to Saint Gobain construction Products, but have all been accepted as intrinsically safe within the confines of use. The minor ingredients referred to are at concentrations less than 1 % (m/m).

The gypsum used in Rhinolite Natural Plus is Natural gypsum with a pH range from 6.9 to 7.5. When mixed with water it may give off a slight alkaline odour.

3. HAZARD IDENTIFICATION

The most important hazards are:

These products are not classified as dangerous according to National Legislation.

Dust from handling may irritate the respiratory system, skin and eyes.

Flammability: Non Flammable

Chemical hazard: None

Biological hazard: None

Reproduction hazard: None

Health effects:

Eyes:	Rinse eye with clean tepid water for 10 minutes or until irritation ceases.
Skin:	Wash gently with lukewarm water and soap.
Ingestion:	None.
Inhalation:	None.
Carcinogenicity:	None.
Mutagenicity:	None.
Neurotoxicity:	None.

4. FIRST AID MEASURES

Skin Contact:	Wash the affected area thoroughly with soap and water. If irritation continues seek medical advice. Clothing contaminated with wet product should be removed and washed thoroughly before re-use.
Eye Contact:	Wash eyes immediately with plenty of clean water for at least 15 minutes and seek medical advice without delay.
Inhalation:	Move affected person to fresh air. If nose or airways become inflamed, seek medical attention.
Ingestion:	If swallowing has occurred do not induce vomiting. Give person plenty of water to drink. Seek medical attention.

5. FIRE FIGHTING MEASURES

These products are not flammable and will not facilitate combustion of other materials.

Exposure hazards:	Do not release water contaminated with these products into surface drains. No hazardous combustion products are generated.
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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with skin, eyes and clothing. Avoid breathing dust.
Environmental Precautions:	Prevent contamination of surface water. Do not allow into watercourses and drains.
Methods for cleaning:	Recover spillages in dry state if possible. Minimise generation of airborne dust. The product can be slurried with water. Be aware that some of the formulations can have a fairly quick set. Keep children away from clean-up operations. Dispose to a place authorised to accept builder's waste. Very small quantities can be disposed of as normal household waste.

7. HANDLING AND STORAGE

Handling:	When handling bags of product, due regard should be paid to correct ergonomic handling. Weight of bags 40 kg and can cause back injuries. Some bags may have a small amount of cement dust on the outer surface. Appropriate personal protection should be used whilst handling.
Storage:	Bags should be stacked in a safe and stable manner. Store in unopened bags, in cool, clean dry conditions, off the ground and above 5°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical Protective Measures:	No special measures required.
Exposure Limits:	Occupational Exposure Limit (OEL 8 hour TWA limit). Total inhalable dust 10mg/m ³ . Total respirable dust 5mg/m ³ .
Respiratory Protection:	Suitable respiratory protection should be worn to ensure that personal OEL is not exceeded in areas that are poorly ventilated. If care is taken not to raise dust during handling the use of respirators is not normally necessary.
Hand Protection:	Wear suitable gloves. Do not rely on barrier creams; barrier creams should not be used in place of gloves.
Eye Protection:	Suitable goggles or face protection should be worn wherever there is a risk

Skin Protection:

Ventilation:

of product powder or product/water mixture entering the eye. Contact lenses should not be worn when working with the products.

Wear overalls and suitable closed footwear.

Use local exhaust or general dilution ventilation to control exposure within applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour:

Cream powder.

Physical state:

Particulate.

Particle size:

5 to 850 microns.

Density:

0,8 to 1,2g/cm² approx.

Solubility:

Slight ± 2,4g / liter.

pH:

10.5 to 12.5 approx. (when mixed with water)

10. STABILITY AND REACTIVITY

Stability:

Stable under normal room temperature and conditions.

Conditions to avoid:

Unintentional Contact with Water.

Incompatibility:

Rhinolite Natural Plus are phosphor gypsum based and are slightly acidic. As such it is incompatible with alkaline based products.

Hazardous decomposition:

Will not spontaneously occur. Adding water will produce a slightly acidic solution.

Hazardous polymerisation:

Will not occur.

11. TOXICOLOGICAL INFORMATION

The main component of BKF98 is calcium sulphate dehydrate (gypsum). Gypsum has been used in a wide variety of applications over a long period of time. In the dehydrate and hemihydrate form, it finds widespread use in medicine as plaster of paris. There is no evidence of any long term effects associated with the dehydrate. No known toxicological effects.

Eye Contact:

Cement is a severe eye irritant. Mild exposure can cause soreness. Gross exposure or untreated mild exposures can lead to chemical burning or ulceration of the eye.

Skin:

Cement powder or cement/water mixtures can cause irritant contact dermatitis. Allergic (chromium) dermatitis and/or burns.

Ingestion:

Swallowing of small amounts of adhesive mix is unlikely to cause any significant reaction. Larger amounts may result in irritation to the gastrointestinal tract. The presence of sulphate at high concentrations is known to have a laxative effect. These effects are temporary.

Inhalation:

The powder can cause inflammation of mucous membranes.

Chronic effects:

Prolonged and repeated exposures in excess of the OES may cause rhinitis and coughing and permanent damage to the lungs (silicosis). This is a reportable disease.

12. ECOLOGICAL INFORMATION

Phospho Gypsum is slightly soluble in water and can form acidic solutions. Gypsum (including phosphor gypsum) is an approved product for soil conditioning in the agricultural trade when applied correctly. It is also utilized for water clarification. Stable product with no known adverse environmental effects.

13. DISPOSAL CONSIDERATION

Should be disposed of at a suitable landfill site compliant to the National Environmental Management waste Act (Act 59 of 2008) and the Atmospheric Pollution prevention Act (Act 45 of 1965 - Reviewed June 2009).

14. TRANSPORT INFORMATION

This product is not classed as hazardous for the purposes of transportation under the National traffic Act, Act 93 of 1996 regulations and SABS 0228:1995 as amended.

Hazard class:	Not applicable.
Identification number:	Not applicable.
Required label text:	Not applicable.
Hazardous substances:	Not applicable.
Reportable quantities (RQ):	Not applicable.

15. REGULATORY INFORMATION

Symbol:	Xi, Irritant.
R Phrases:	R38 Irritating to the skin. R41 risk of serious damage to eyes.
S Phrases:	S2 Keep out of the reach of children. S22 Do not breathe dust. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical help. S28 After contact with skin, wash immediately with plenty of soap and water. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

16. OTHER INFORMATION

The product should be used as directed – consult specification data for further details. This information is given in good faith and is believed to be accurate and complete. It should be made available to all personnel using/handling the product. Contaminated clothing should be removed and washed before re-use.

Notice to User:	This Safety Data Sheet should not constitute the users' own workplace risk assessment.
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Obtain information about products via Internet: <http://www.gyproc.co.za>



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SGCPSA reserves the right to revise product specification without notice.

The information herein should not be read in isolation as it is meant only as guidance for the user, who should always ensure that they are fully conversant with the products and systems being used and their subsequent installation prior to the commencement of work. For a comprehensive and up-to-date library of information visit the Gyproc SA website at: gyproc.co.za.

