

TECNOS®

General Statement

It is a latest generation admixture based on the Sulphonate Naphthalene Polymers. It has been specifically formulated to give higher water reduction up to 20% without losing workability and improve pumpability of concrete. This GPS safety summary is only applicable to the product mentioned in section 2.

Chemical Identification

▶ Products Name

TECNOS® 145, TECNOS® 105, TECNOS® 70, TECNOS® 119, TECNOS® 116, TECNOS® 122, TECNOS® 1401, TECNOS® 1405

▶ Chemical Identity

Sodium Salt of Poly naphthalene sulfonic acid Polymer

Uses and Applications

It is specifically designed for concrete road and pavement quality concrete, to produce concrete to supply for longer distances and smoother pumpability with good cohesion of mix. It is compatible with all the mineral admixtures like microsilica, flyash and GGBS.

Physical / chemical properties

Property	Value
Physical State	Dark Brown Liquid
Water solubility	Soluble
pH Range	7 - 8

Health Effects

The Polymer is not classified, according to GHS. No health effects were observed by any routes of exposure.

Environmental Effects

The Polymer is not expected to be readily biodegradable. Do not allow undiluted product or large quantities of it to reach water bodies.

Exposure

▶ Human Health

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. The usual precautionary measures should be followed.

▶ Environment

According to GHS/CLP regulation this polymer does not fulfil the criteria for classification and labelling as "Hazardous to environment".

Risk Management Recommendations

Direct contact with the material should be handled while wearing proper PPEs. All personnel should be adequately trained for general handling of chemicals. Ensure adequate ventilation & observe the usual precautions for handling chemicals. Store in a cool enclosed place. Wash hands & skin following contact. If the product gets into your eyes, rinse eyes thoroughly for 15 minutes with tap water and seek medical attention, consult the doctor immediately.

Accidental Release Measures

▶ Spill Containment

Avoid spills and prevent material from entering water bodies.

▶ Clean-up Procedure

Use protective equipment during clean-up. Use absorbent like sand or absorbent materials, saw dust, waste cotton. Dispose of in accordance with local regulation.

Regulatory Information/Classification and Labelling

▶ Regulatory Compliance

Product is compliant with GHS (India)

Classification and Labelling

GHS/CLP Classification	The product is not classified, according to the Global Harmonized System (GHS)
Hazard Pictogram	The product is not classified, according to the Global Harmonized System (GHS)
Signal Word	Not applicable
Hazard Statement	The product is not classified, according to the Global Harmonized System (GHS)
Precautionary Statements	Wash hands thoroughly after handling. Do not touch eyes. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing Get emergency medical help.

Conclusion

Tecnos are Admixtures used in Concrete Industry. Workers handling this product must use protective gear, and facilities must implement safety protocols to avoid accidents and appropriate Risk Management Measures should be selected and applied to control risk of exposure. Exposure to environment is considered negligible. Also, this product has no supported uses in direct consumer products. For further information consult the Safety Data sheet available for this product.

Contact Information Within Company

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