MATERIAL SAFETY DATA SHEET
REC NAPHTHAPLAST N81

IDENTIFICATION

PRODUCT IDENTIFIER	**REC NAPHTHAPLAST N81**
PRODUCT DESCRIPTION	Chloride-free superplasticizer formulated from selected polymers for use in concrete. The product is intended to improve water efficiency and workability and to support higher early strength.
RECOMMENDED USE	Concrete and cementitious construction applications; use as directed in the current Technical Data Sheet.
RESTRICTIONS ON USE	Do not use for purposes other than the intended construction-chemical application. Do not mix with incompatible chemicals unless compatibility has been established.
MANUFACTURER	RECKON CHEMICALS (PVT) LTD.
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HAZARD IDENTIFICATION

GHS CLASSIFICATION	**REC NAPHTHAPLAST N81** is not assigned a GHS hazard classification .
OTHER HAZARDS	Prolonged or repeated contact may cause skin irritation or drying in susceptible individuals. Splashes may cause temporary eye discomfort. Spills can create slippery surfaces.
PRECAUTIONARY PRINCIPLE	Avoid unnecessary contact. Use suitable personal protective equipment and good industrial hygiene.

COMPOSITION / INFORMATION ON INGREDIENTS

PRODUCT TYPE	Naphthalene Based Concrete Admixture.
CHEMICAL NATURE	Selected polymeric water-reducing/super plasticizing components in an aqueous carrier system.
HAZARDOUS INGREDIENTS	No hazardous ingredient concentrations are used in the formulation process.

FIRST-AID MEASURES

INHALATION	Move person to fresh air. If irritation, coughing, breathing difficulty or other symptoms persist, obtain medical attention.
SKIN CONTACT	Remove contaminated clothing. Wash affected skin thoroughly with soap and plenty of water. Seek medical attention if irritation persists.
EYE CONTACT	Immediately rinse cautiously with clean water for several minutes. Remove contact lenses if easy to do. Continue rinsing. Obtain medical attention if irritation persists.
INGESTION	Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Obtain medical advice if unwell.
MEDICAL ATTENTION	If problems persist, seek medical attention.

FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Use extinguishing media appropriate for the surrounding fire: water spray, foam, dry chemical or carbon dioxide.
UNSUITABLE MEDIA	No specific extinguishing medium is known to be unsuitable; avoid high-pressure water streams where they may spread spilled material.
SPECIFIC HAZARDS	The product is predominantly an aqueous construction admixture and is not expected to present a significant fire hazard under normal storage. Thermal decomposition may generate irritating fumes.

PROTECTIVE EQUIPMENT	Fire fighters should use standard protective clothing and positive-pressure self-contained breathing apparatus where required by the surrounding fire.

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Avoid contact with eyes and skin. Wear suitable protective gloves and eye protection. Keep unnecessary personnel away from the spill.
ENVIRONMENTAL PRECAUTIONS	Prevent large quantities from entering drains, surface water or soil. Notify relevant authorities if a significant release reaches waterways.
CONTAINMENT AND CLEANUP	Stop the leak if safe to do so. Contain with inert absorbent material. Collect into suitable containers for disposal. Wash the affected area with water after bulk material has been removed.
ADDITIONAL HAZARD	Spilled product may make floors and walkways slippery.

HANDLING AND STORAGE

SAFE HANDLING	Handle in accordance with good industrial hygiene and safety practices. Avoid splashing. Do not eat, drink or smoke while handling. Wash hands after use.
STORAGE CONDITIONS	Keep containers tightly closed when not in use. Store in a cool, dry, well-ventilated area protected from direct sunlight, extreme temperatures and contamination.
INCOMPATIBLE MATERIALS	Avoid uncontrolled mixing with strong acids, strong alkalis, oxidizing agents or other incompatible construction chemicals unless compatibility has been confirmed.
PACKAGING	Keep in the original, properly labelled container where practical.

EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS	No specific occupational exposure limits are established for the finished product. Follow applicable exposure limits for individual components.
ENGINEERING CONTROLS	Provide adequate general ventilation. Use local exhaust where mist/aerosol generation is possible.
EYE PROTECTION	Safety glasses with side protection; chemical splash goggles where splashing is reasonably foreseeable.
SKIN PROTECTION	Chemical-resistant gloves and suitable protective work clothing.
RESPIRATORY PROTECTION	Normally not required for routine handling of the liquid when adequate ventilation is provided. If mist/aerosol is generated and exposure cannot be adequately controlled, use suitable respiratory protection in accordance with the applicable program.
HYGIENE	Wash hands and exposed skin after handling. Remove contaminated clothing and wash before reuse.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Brown Liquid
ODOUR	Mild
pH	6-8
DENSITY	1.045± 0.01Kg/L
SOLUBILITY	Water Soluble
FLASH POINT	Not Available
FLAMMABILITY	Not expected to be readily flammable as an aqueous admixture; confirm by formulation data.
CHLORIDE CONTENT	Nil

STABILITY AND REACTIVITY

REACTIVITY	No hazardous reaction is expected under normal intended use.
CHEMICAL STABILITY	Stable under recommended storage and handling conditions.
POSSIBILITY OF HAZARDOUS REACTIONS	No hazardous polymerization is expected under normal conditions.
CONDITIONS TO AVOID	Extreme heat, freezing, prolonged direct sunlight and contamination.
INCOMPATIBLE MATERIALS	Strong oxidizing agents and other chemically incompatible materials.

HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition may produce irritating or harmful fumes depending on formulation and fire conditions.

DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL	Dispose of unused product and contaminated absorbent in accordance with local regulations and site waste procedures.
CONTAINER DISPOSAL	Empty containers should be handled according to applicable local waste requirements. Do not reuse containers for food, water or other unrelated purposes.
SEWER DISPOSAL	Do not discharge concentrated product into drains or water courses.