# MATERIAL SAFETY DATA SHEET
# REC PLAST 319

## IDENTIFICATION

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| **PRODUCT IDENTIFIER** | **REC PLAST 319** |
| **PRODUCT DESCRIPTION** | Chloride-free plasticizer formulated from selected polymers for use in concrete. The product is intended to improve water efficiency and workability and to reduce efflorescence. |
| **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. |
| **ADDRESS** | 21-CCA, B BLOCK KHYABAN E AMIN, LAHORE. |
| **CONTACT** | TEL: +92 42 35452620 / +92 42 35230419<br>Email: info@reckonchemicals.com<br>Website: www.reckonchemicals.com |

## HAZARD IDENTIFICATION

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| **GHS CLASSIFICATION** | **REC PLAST 319** 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

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| **PRODUCT TYPE** | Ligno Based Concrete Admixture. |
| **CHEMICAL NATURE** | Selected polymeric plasticizing components in an aqueous carrier system. |
| **HAZARDOUS INGREDIENTS** | No hazardous ingredient concentrations are used in the formulation process. |

## FIRST-AID MEASURES

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| **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

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| **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

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| **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

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| **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

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| **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

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| **APPEARANCE** | Brown Liquid |
| **ODOUR** | Mild |
| **pH** | 6-8 |
| **DENSITY** | 1.17 ± 0.01 Kg/L |
| **SOLUBILITY** | Water Soluble |
| **FLASH POINT** | Not Available |
| **FLAMMABILITY** | Not expected to be readily flammable as an aqueous admixture. |
| **CHLORIDE CONTENT** | Nil |

## STABILITY AND REACTIVITY

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| **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

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| **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. |