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Technical Data Sheet (TDS) of Dodecanedioic Acid

Correct technical name of the goods:

English: Dodecanedioic Acid Trade name: Dodecanedioic Acid

Physical properties:

Melting Point: 125- 135C Molecular Formula: $C_{12}H_{22}O_4$
Molecular Weight: 230 Appearance: White powder/granule

Chemical properties:

Keeping the product from the following materials: alkaline material in liquid and organic solvent. After decomposing or polymerizing, it has no reaction at normal temperature and pressure. The product is difficult to burn, if happening, you'd better use CO₂ fire extinguishers.

Applications: Mainly used in engineering plastics, poly-carboned nylon and its products. It is main content of nylon 1212, nylon 612, and nylon 1012, intermediate for aromatic, top-grade lubricant, lubricant antiseptic and painting material for luxurious sedan.

Specifications: Total Acid: 99.5% min, Dodecanedioic Acid: 99.0% min,
Moisture: 0.4% max,

Packaging:

Net weight 25kg/paper bag, or 600kg bulk bag. 1X20'FCL may contain 12MT goods with pallets.

Safety measures and precautions for carriage by:

It is transported as general chemical goods. Not regulated as a dangerous material by DOT or IMO. Please pay attention to keep it from wetness when shipping.

Potential Health Effects and First-aid measures:

Eyes: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skins: May cause skin irritation. Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated. Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water.

Handling & Operation:

Connection: No any special demand.

Ventilation: No any special demand, just keeping dryness.

Breath Protection Measure: Gauze mask.

Eyes Protection Measure: Protection glasses.

Skins: Connecting in hand for a long time, the worker must wear general gloves.