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MATERIAL SAFETY DATA SHEET

MANUFACTURED FOR: K & K Chemical Co.
TELEPHONE NO.: (800) 327-0646
ADDRESS: 1303 Industrial Drive, Royse City, TX 75189

PRODUCT: POLYNAMIC 4874™
PART NUMBER(S): K-688

MSDS Prepared By: J. Austin Maglothin,
Ph.D.
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SECTION I - GENERAL

Chemical Name & Synonym: Not Applicable
Trade Name & Synonyms: POLYNAMIC 4874™
Chemical Family: Petroleum hydrocarbon solution of acrylamide copolymer
Formula: Trade Secret

SECTION II - HAZARDOUS INGREDIENTS

Petroleum hydrocarbons	CAS No.	64742-47-8
Hydrotreated light naphthenic distillate	CAS No.	64742-53-6
Adipic acid	CAS No.	124-04-9
Copolymer acrylamide	CAS No.	69418-26-4

SECTION III - PHYSICAL AND CHEMICAL DATA

Boiling Point (°C): >480 F
Vapor Pressure (mm Hg @ 20°C): <.5 @68 F
Vapor Density (Air = 1): ND
Specific Gravity (H₂O = 1): 1.06
% Volatile by Volume: ND
Evaporation Rate (ether = 1): <1
Solubility in Water: Soluble - solubility limited by viscosity
Appearance and Odor: White or off-white liquid with slight, mild odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammable Limits (%):
- LEL: Not Determined
- UEL: Not Determined
Flash Point (Method Used): >102°C (TCC)
Extinguishing Media: CO₂, dry chemical or foam
Special Fire Fighting Procedures: Apply cooling water to containers exposed to fire. SCBA is recommended for confined areas.
Unusual Fire & Explosion Hazards: Wetted product presents an extreme slip hazard.

SECTION V - HEALTH HAZARD DATA

Route of Entry: Eye contact, skin contact, inhalation, ingestion
Carcinogenic Assessment: Not listed
Threshold Limit Value: 100 ppm
Effects of Overexposure: Inhalation: Headache, nasal and respiratory irritation, dizziness
Eye contact: Irritation
Skin contact: Irritation
Inhalation: Remove to fresh air. Get medical attention if irritation persists.
Ingestion: DO NOT INDUCE VOMITING. Get immediate medical attention.
Eye contact: Flush with water for 15 minutes. If irritation persists, get medical attention.
Skin contact: Wash with soap and water. If irritation persists, get medical attention.

Emergency & First Aid Procedures:

SECTION VI - REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): Strong oxidizing agents, such as liquid chlorine and sodium or calcium hypochlorite
Hazardous Decomposition Products: None known
Hazardous Polymerization: Will not occur

SECTION VII - SPILL OR LEAK PROCEDURE

Steps To Be Taken In Case Material Is Released Or Spilled: Remove ignition sources. Dike area to control runoff, and collect spill in appropriate containers. Soak up residual with inert absorbent and place in sealed containers. Then water wash area to waste treatment to eliminate slip hazard.
Waste Disposal Method: Dispose of as hazardous waste or incinerate. Consult local authorities. Care must be taken to prevent environmental contamination from the disposal of material, residues and containers. Rinse empty containers well before discarding in an authorized landfill.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: None needed in normal use. For spills or in confined areas, use NIOSH-approved vapor respirator.
Ventilation: Normal ventilation is adequate. Mechanically ventilate confined areas of use. Recommended general ventilation rate of 10 air changes per hour.
Protective Gloves: Solvent resistant
Eye Protection: Safety glasses
Other Protective Equipment: None normally required. Face shield or apron may be needed depending upon conditions of use.

SECTION IX - SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing: Store away from ignition sources. Toxic to fish. Prevent spills from entering drains or waterways. Store in original containers for up to one year. Keep closed when not in use. Protect from extreme heat.
Other Precautions: KEEP OUT OF REACH OF CHILDREN. Read and follow label directions.