



MATERIAL SAFETY DATA SHEET

| Manufacturer: Multitac Representaciones SAC | | Emergency Response Number: 251-7329 99257371 | | | | |
|---|--|--|-----------------|-------------------|-----|-------------------|
| Address: Los Gorriones Mz B" B Lote 7B1 | | | | | | |
| Address: Calle "A" 125 Santa María de Villa Chorrillos | | | | | | |
| SECTION 1 – PRODUCT INFORMATION | | | | | | |
| Chemical Family: Petroleum hydrocarbons & additives | | Trade Name: Multitac EP 100 F | | | | |
| Formula: Proprietary Mixture | | | | | | |
| SECTION 2 – HAZARDOUS INGREDIENTS | | | | | | |
| COMPONENTS-CHEMICAL NAMES AND COMMON NAMES | CAS Number | % | Exposure Limits | | | |
| | | | TVL | | PEL | |
| | | | Pp/m | mg/m ³ | ppm | mg/m ³ |
| Mixture of Petroleum Oils | 64742-16-1, 64741-56-6, 64742-01-4, 64742-57-0, 64742-62-7 | 55-56 | | 5 | | 5 |
| Polyalphaolefin Synthetic Base Fluid | 68037-01-4 | 8-17 | | 5 | | 5 |
| Acetylene Black | 1333-86-4 | 3-7 | | 3.5 | | 3.5 |
| Graphite | 7782-42-5 | 3-7 | | 2 | | 15-mpcf |
| Litium Paste | 7429-90-5 | 1-3 | | 10 | | 15 |
| Molybdenum Disulfide | 1317-33-5 | 3-7 | | 10 | | 15 |
| Olefin Copolymer Additive (Mixture) | | 5-7 | | NE | | NE |
| Organophilic Clay | 68953-58-2 | 3-6 | | NE | | NE |
| Section 3 – PHYSICAL DATA | | | | | | |
| Boiling Point: | >600°F/315.5°C | Specific Gravity: | 1.06 | | | |
| Vapor Pressure (mm, Hg): | Not Determined | % Volatile: | Nil | | | |
| Vapor Density (Air = 1): | Not Determined | Evaporation Rate: (=1) | Not Established | | | |
| Solubility in Water: | Insoluble | pH: | Not Applicable | | | |
| Appearance and Odor: Silver, black color, aromatic odor. | | | | | | |
| SECTION 4 - FIRE AND EXPLOSION HAZARD DATA | | | | | | |
| Flash Point (Method) ? F/° C: 485°F/251.67°C C.O.C. (ASTM D-92) | | Flammability Limits UEL & LEL ---- Not Determined | | | | |
| Extinguishing Media: Carbon dioxide foam, dry chemical foam, sand, earth, waterfog. | | | | | | |
| Special Fire Fighting Procedures: For fires involving this material, do not enter any enclosed or confined space without protective equipment including self-contained breathing apparatus. | | | | | | |
| Unusual Fire & Explosion Hazards : Dense Black Smoke | | | | | | |
| SECTION 5 - REACTIVITY HAZARD DATA | | | | | | |
| STABILITY [X] STABLE [] UNSTABLE | | Hazardous Decomposition [] WILL [X] WILL NOT OCCUR | | | | |
| Incompatibility (Mat. to avoid): Strong oxidizers and reducers | | | | | | |
| Hazardous Decomposition Products: Oxides of carbon, sulfur and by products of incomplete combustion. | | | | | | |
| Conditions to Avoid: None | | | | | | |
| SECTION 6 - HEALTH HAZARD DATA | | | | | | |
| Threshold Limit Value and Sources: 5.0/mg/m ³ for oil mist. OSHA & ACGIH. | | | | | | |
| Acute Effects of Overexposure: Ingestion: Nausea and Diarrhea. Tackiness agents in this product may be possibly coagulated by stomach acids if ingested. | | | | | | |
| Eye Contact: Severe irritation and redness to eyes. | | | | | | |
| Skin Contact: Prolonged and repeated contact with the skin can cause irritation and redness to skin. | | | | | | |
| Inhalation: Vapors can be given off under high heat conditions excessive breathing of vapors can cause irritation of the respiratory tract. | | | | | | |
| CHRONIC EFFECTS OF OVEREXPOSURE: None currently known | | | | | | |
| Emergency and First Aid Procedures: Swallowing: If victim is conscious give 2 glasses of water to drink. Do not induce vomiting. Seek medical attention immediately. | | | | | | |
| Skin: Wash skin thoroughly with soap and water. Launder contaminated clothing. | | | | | | |
| Inhalation: Remove victim to fresh air. If breathing is labored administer oxygen. If breathing has stopped start artificial respiration immediately. | | | | | | |
| Eyes: Flush eyes with clear, cool, clean water for 15 minutes. Seek medical attention immediately | | | | | | |
| SECTION 7 – SPILL OR LEAK PROCEDURES | | | | | | |
| Environmental Impact: This material is not expected to present any environmental problems other than those associated with oil spills. If spilled into a watercourse. | | | | | | |
| Procedures To Be Taken If Material Is Released or Spilled: Immediately absorb spilled material with absorbent clay or other suitable material. Keep out of sewers and waterways. Shovel up and place in a hazardous disposal drum. | | | | | | |
| Waste Disposal Method: Dispose of at an approved waste or disposal site facility in accordance with all applicable federal, state and local laws and regulations. This product is considered to be an RCRA hazardous waste due to its flammability D001. | | | | | | |



SECTION 8 – SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required under ordinary conditions of use. If air contaminants concentrations exceed OSHA and ACGIH limits use MSHA/NIOSH organic vapor cartridge type respirators.

Ventilation: No special requirement under ordinary conditions of use and with adequate ventilation. If air contaminant concentrations exceed OSHA & ACGIH limits use explosion proof ventilation equipment.

Eye Protection: Goggles or face shield.

Protective Clothing: Neoprene or oil resistant gloves.

SECTION 9 – SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling and Storage: Do not store near heat, spark, flame or strong oxidizers. Keep containers closed when not in use.

Special Comments: Remove oil soaked clothing, launder before reuse. Wash skin thoroughly with soap and water before eating, smoking, or using toilet facilities. Keep away from food and feed products

SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA

HMIS & NFPA Ratings: Health = 0 Fire = 1 Reactivity = 0 This product does not contain any of the chemicals listed on the National Toxicology Program Annual Reports, The International Agency for Cancer Research Monographs and OSHA's Subpart Z List. This product does not contain any chemicals that are found on the State of Perú's Proposition 65 List for chemicals classified as potential reproductive or cancer causing agent. SARA TITLE III Information This product contains 1-3% of aluminum paste CAS#7429-90-5 All of the components in this material are on the US TSCA Inventory List and are in compliance with the Canadian Environmental Protection Act, the EC Seventh Amendment Directive 921321EEC and the chemical notification requirements of Australia, Austria and the Environmentally Hazardous Substance Ordinance of Switzerland.

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