

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

| IDENTITY AND MANUFACTURER'S INFORMATION | | | | | |
|---|------------|---|-------------------|---|------------------------------|
| NFPA Rating: Health-2; Flammability-4; Reactivity-0; Special-0 Manufacturered For: Aramsco, Inc. Address: 1655 Imperial Way, Thorofare, NJ 08086 | | HMIS Rating: Health-2; Flammability-4; Reactivity-0; Personal Protection-B DOT Hazard Classification: ORM-D Identity (trade name as used on label): RAMTACK | | | |
| Date Prepared: 08/5/95 Prepared By: ES/KD Information Calls: EMERGENCY RESPONSE NUMBER: 1(800)255-3924 | | MSDS Number: 315 Revision- 7 NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA | | | |
| SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION | | | | | |
| COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater) | CAS Number | SARA III LIST | OSHA PEL (ppm) | ACGIH TLV (ppm) | Carcinogen Ref. Source ** |
| ACETONE | 67-64-1 | No | 1000 | 750 | d |
| HEXANE | 110-54-3 | Yes | 50 | 50 | d |
| ISOBUTANE / PROPANE BLEND | 75-28-5 | No | 800 | 800 | d |
| | 74-98-6 | No | 1000 | 1000 | d |
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| SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS | | | | | |
| Boiling Point: N/A | | Specific Gravity (H2O=1): Concentrate Only = 0.853 | | | |
| Vapor Pressure: PSIG @ 70°F (Aerosols): Max.80 | | Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A | | | |
| Vapor Density (Air = 1): N/E | | Evaporation Rate (= 1): N/E | | | |
| Solubility in Water: Partial | | Water Reactive: No | | | |
| Appearance and Odor: Straw colored liquid with ketone solvent odor. | | | | | |
| SECTION 3 - FIRE AND EXPLOSION HAZARD DATA | | | | | |
| FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) EXTREMELY FLAMMABLE | | Auto Ignition Temperature N/E | | Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E | |
| FLASH POINT AND METHOD USED (non-aerosols): N/A | | SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus. Use water fog to cool containers to prevent rupturing & exploding containers. Provide shielding for personnel. | | | |
| EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide, water. | | | | | |
| Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture. | | | | | |
| SECTION 4 - REACTIVITY HAZARD DATA | | | | | |
| STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE | | HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR | | | |
| Incompatibility (Mat. to avoid): Strong oxidizing agents. | | Conditions to Avoid: Open flame, welding arcs, heat, sparks. | | | |
| Hazardous Decomposition Products: Carbon dioxide, carbon monoxide. | | | | | |
| SECTION 5 - HEALTH HAZARD DATA | | | | | |
| PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS | | | | | |
| ACUTE EFFECTS | | | | | |
| Inhalation: Excessive inhalation of vapors can cause nasal & respiratory irritation, dizziness, weakness, nausea, headache, possible unconsciousness or asphyxiation. | | | | | |
| Eye Contact: Irritation. | | Skin Contact: Irritation due to defatting of skin. | | | |
| Ingestion: Possible chemical pneumonitis if aspirated into lungs. | | | | | |
| CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) | | | | | |
| Excessive inhalation of hexane may cause nerve damage. | | | | | |
| Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions. | | | | | |
| EMERGENCY FIRST AID PROCEDURES | | | | | |
| Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention. | | | | | |
| Skin Contact: Wash with soap and water. If irritated, seek medical attention. | | | | | |
| Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention. | | | | | |
| Ingestion: DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention. | | | | | |
| SECTION 6 - CONTROL AND PROTECTIVE MEASURES | | | | | |
| Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by NIOSH in positive pressure mode. | | | | | |
| Protective Gloves: Neoprene. | | Eye Protection: Safety glasses recommended. | | | |
| Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV. | | | | | |
| Other Protective Clothing & Equipment: None | | | | | |
| Hygienic Work Practices: Wash with soap and water before handling food. Remove contaminated clothing. | | | | | |
| SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE | | | | | |
| Steps To Be Taken If Material Is Spilled Or Released: Absorb with suitable medium. Incinerate or landfill according to local, state or federal regulations. DO NOT FLUSH TO SEWER. | | | | | |
| Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard. | | | | | |
| Precautions To Be Taken In Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 130°F. | | | | | |
| Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors. Remove ignition sources. | | | | | |

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only