

Silver Gutta

MSDS No: 783

Effective Date: 4/6/5

Amendatory Date: 3/14/7

1. Product Identification

Product Code: 783

2. Composition/Information on Ingredients

Ingredients	%	ACGTH-TLV	OSHA-PEL	CAS No.
Aliphatic Petroleum Distilates	76.5	300 ppm	300 ppm	64742-89-8
Isopropyl Alcohol	1.8	400 ppm	400 ppm	67-63-0
Aluminum Flake	10			7429-50-9

3. Physical & Chemical Characteristics

Boiling Point: 180-300 F**Vapor Pressure:** Aliphatic Petroleum Distilates: 10.2mmHg@20 degrees C

Isopropyl Alcohol: 33mmHg@20 degrees C

Vapor Density: Heavier than air.**Solubility in Water:** Not soluble**Appearance & Odor:** Thick silver liquid with a slight odor.**Specific Gravity:** N/A**Melting Point:** N/A**Evaporation Rate:** Slower than Ether

4. Fire & Explosion Data

Flash Point: 105 F**Extinguishing Media:** Foam, CO₂, Dry Chemical**Special Fire Procedures:** The use of SCBA is recommended for fire fighters. Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame. Avoid spreading burning liquid with water for cooling purposes.**Unusual Hazards:** Flashback along vapor trail may occur. This material is extremely flammable and can be ignited by heat, sparks, flame or static electricity.

5. Reactivity Data

Stable: Yes**Conditions to Avoid:** Keep product away from heat, sparks, pilot lights, static electricity and open flame. Strong oxidizing conditions.**Incompatibility:** This product is incompatible with strong acids or bases, oxidizing agents and selected amines.**Hazardous Decomposition:** Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.**Hazardous Polymerization:** Will not occur.

6. Health Hazards

Routes of Entry: Dermal, inhalation, eye

Medical Conditions Aggravated: Pre-existing eye, skin and respiratory disorders, or preexisting impaired peripheral nerve function may be aggravated by exposure to this product.

Carcinogenic: This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA.

Emergency & First Aid Procedures

Inhalation: Breathing high concentrations of vapors or mists may cause irritation of the nose and throat, signs of nervous system depression (E.G., drowsiness, loss of coordination, and fatigue), and irregular heartbeats (arrhythmias). Respiratory symptoms associated with pre-existing lung disorders (E.G, asthma-like conditions) may be aggravated by exposure to this material. If symptoms of exposure develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek immediate medical attention. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Eyes: If irritation or redness from exposure to vapors develops, move victim away from exposure and into fresh air. If irritation or redness persists, seek medical attention. For direct contact, flush the affected eye(s) with clean water for 10-15 minutes. Seek medical attention.

Skin: Remove contaminated clothing, cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.

Ingestion: Ingestion of excessive quantities may cause: irritation of the digestive tract. Signs of nervous system depression (E.G., drowsiness, loss of co-ordination and fatigue). Aspiration hazard: This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage. **DO NOT INDUCE VOMITING** or give anything by mouth because this material can enter the lungs and cause severe lung damage. If victim is drowsy or unconscious, place on the left side with head down. If possible, do not leave victim unattended. Seek medical attention.

7. Special Precautions & Spill/Leak Procedures

Handling & Storage: Keep containers tightly closed. Keep containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practices. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition; they may explode and cause injury or death. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Steps if Spilled: Shut off and eliminate all ignition sources. Keep people away. Recover free product. Add sand, earth or other suitable absorbent to spill area. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authorities, if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with applicable governmental regulations. Continue to observe precautions for volatile, flammable vapors for absorbed material.

Waste Disposal: Dispose of in accordance with local, state and federal regulations.

8. Special Protection Information

Respiratory Protection: Avoid prolonged or repeated breathing of vapors. If exposure may or does exceed occupation exposure limits use a NIOSH approved respirator to prevent overexposure.

Ventilation: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, systems safe for such locations should be used.

Skin Protection: The use of gloves impermeable to the specific material handled is advised to prevent skin contact, possible irritation and absorption.

Eye Protection: Approved eye protection to safeguard against potential eye contact, irritation or injury is recommended.

Other Protection: It is suggested that a source of clean water be available in work area for flushing eyes and skin. Impervious clothing should be worn as needed.

Work/Hygienic Practices: Wash with soap and water.

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