

MATERIAL SAFETY DATA SHEET

Product Name: DAG 503

Catalog Number: 60809-X, where X = quantity in grams

DOT Hazard Class: Flammable Liquid

DOT Proper Shipping Name: Methyl Isobutyl Ketone Solution

UN/NA ID No.: UN1245

MSDS Prepared: 8/2009

Distributed By: Ladd Research

83 Holly Court

Williston, VT 05495

(802) 658-4961

HAZARDOUS COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
Silver	7440-22-4	30-60%	0.10mg/m ³ (ACGIH TLV)
Methyl Isobutyl Ketone	108-10-1	15-40%	50ppm (ACGIH TLV)
Proprietary Synthetic Rubber	?	3-7%	None Established

PHYSICAL AND CHEMICAL DATA

Vapor Pressure: 16.00mm Hg @ 20°C

Vapor Density: Heavier than air

Solubility in Water: Nil

Specific Gravity: 1.77

Evaporation Rate: 1.6 (Butyl Acetate = 1)

Freezing Point: Not available

Boiling Point: 100° F

VOC: 675 g/l

Viscosity: 1700 centipoise

FIRE AND EXPLOSION HAZARD DATA

Flashpoint: 68° F (Tag Closed Cup)

Fire Fighting Instruction: Use Dry chemical, CO₂, water spray or alcohol-resistant foam.

Hazardous Combustion or Decomposition Products: Oxides of silver or carbon

HEALTH HAZARD DATA

Ingestion: Harmful if swallowed.

Eye: May cause moderate eye irritation.

Skin: May cause moderate irritation.

Inhalation: Vapors and mists irritate eyes, nose and throat.

Chronic: Contains silver metal. Exposure to silver may cause argyria, a blue-gray discoloration of the eyes, skin, mucous membranes and upper respiratory tract.

EMERGENCY AND FIRST AID

Ingestion: If swallowed, do not induce vomiting.

Skin: Flush immediately with plenty water, followed by washing with soap and water.

Eye: Flush eyes immediately with plenty water for at least 15 minutes.

Inhalation: Remove patient to fresh air. Consult a physician for additional information and guidance.

REACTIVITY DATA

This product is stable and hazardous polymerization will not occur.

Incompatible Material and Conditions to Avoid: Strong oxidizers

SPILL, DISPOSAL AND STORAGE INFORMATION

Spills: Eliminate all sources of ignition. Use absorbent material. Use clean, non-sparking tools to collect absorbed material.

Disposal: Take care to prevent environmental contamination from this material. Comply with your relevant local, state and federal requirements.

Storage: Store at ambient temperature in a well ventilated place away from incompatible materials.

PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Engineering Controls: Mechanical ventilation to maintain exposure below TLV.

Eye: Vapor tight chemical-type splash goggles when possibility of spraying or splashing exists.

Skin: Impermeable apron or disposable suit and gloves.

SECTION 313 SUPPLIER NOTIFICATION

This product contains chemicals which are listed in Section 313 at or above *de minimus* concentrations.

Silver	CAS [7440-22-4]
Methyl Isobutyl Ketone	CAS [108-10-1]

The information presented is believed to be correct and is the most accurate information available to us at this time. However, Ladd Research makes no warranty, express or implied, and assumes no liability for this information and the product described herein.