



Material Safety Data Sheet

TO: MSDS USERS

Please find below the material safety data sheet as per your request.

The information presented in these forms is believed to be correct and sufficient to meet the requirements of OSHA Hazard Communication standard (29 CFR 1910.1200) concerning worker's right to know. In order for the information contained in the MSDS to be most helpful we recommend that these forms be made available to all those who handle or may otherwise be exposed to the product.

This MSDS covers the following Athena International Inc., products:

PRODUCT NAME:

01951 E-Z-EST SPEED DIP SILVER CLEANER
01951G E-Z-EST SPEED DIP SILVER CLEANER
01951D E-Z-EST SPEED DIP SILVER CLEANER

HMS CODES: H F R P
1 0 1 X

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURED FOR: Athena International, Inc.
INFORMATION PHONE: 775-782-0136
REASON REVISED: Updated

ADDRESS: 1100 Mark Circle, Gardnerville, NV 89410
EMERGENCY PHONE: 1-800-424-9300

SECTION II - HAZARDOUS INGREDIENTS / SARA III INFORMATION OCCUPATIONAL EXPOSURE LIMITS

HAZARDOUS COMPONENTS	WEIGHT PERCENT	OSHA PEL	ACGIH TLV	OTHER	LD50 SPECIES & ROUTE	LC50 SPECIES & ROUTE
*SULFURIC ACID (CAS 7664 93 9)	2	1 mg / m ³	1 mg / m ³		2140 mg / kg RAT (ORAL)	510 mg / m ³ / 2 hours (INHA)
*THIOUREA (CAS 62 56 6)	5	N/A	N/A		1750 mg / kg RAT (ORAL)	N/A

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

NOTE: N/A applies to not available or not applicable



E-Z-EST SPEED DIP SILVER CLEANER

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING RANGE: 212°F to 250°F
ODOR THRESHOLD: N/A
EVAPORATION RATE: Slower than n-Butyl Acetate
FREEZING POINT: 32°F

SPECIFIC GRAVITY (H2O=1): 1.0
VAPOR DENSITY: Lighter than air
APPEARANCE AND ODOR: Clear Blue Liquid / Minty Odor
pH: 1.5

COEFFICIENT OF WATER/OIL DIST: N/A
SOLUBILITY IN WATER: Infinitely Soluble

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A
EXTINGUISHING MEDIA: Foam, Alcohol Foam, CO₂, Dry Chemical, Water Fog
SPECIAL FIRE FIGHTING PROCEDURES: None known. Product is nonflammable.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may generate steam pressure if exposed to extreme heat.
FLAMMABILITY - Product does not meet flammable category requirements.

METHOD USED: N/A
FLAMMABLE LIMITS - LEL: N/A **UEL:** N/A

SECTION V - REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY (MATERIALS TO AVOID): Acrylaldehyde, Hydrogen Peroxide, Nitric Acid
HAZARDOUS DECOMPOSITION: Carbon Monoxide and Carbon Dioxide. If heated above 275° F , Ammonium Thiocyanate is formed.
HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Avoid excess heat.

SECTION VI - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY (SIGNS / SYMPTOMS OF EXPOSURE):
INHALATION: Nausea, irritation.
SKIN CONTACT - Irritation, burning sensation.
EYE CONTACT - Irritation, redness, swelling.
INGESTION: Burning sensation, irritation.

EMERGENCY AND FIRST AID PROCEDURES:
INHALATION - Remove from exposure. Seek medical attention if signs/symptoms persist.
EYE CONTACT - Flush with water for 15 minutes. Seek medical attention if signs/symptoms persists.
SKIN CONTACT - Wash with soap and water. Seek medical attention if signs/symptoms persist.
INGESTION - DO NOT induce vomiting and seek medical attention.

CARCINOGENICITY: Thiourea has been listed as an animal carcinogen by NTP and IARC. Thiourea is a substance known to the State of California to cause cancer.

OSHA REGULATED? No
TERATOGENICITY - Fetotoxic
MUTAGENICITY - N/A
TOXICOLOGICALLY SYNERGISTIC PRODUCT - N/A

MEDICAL CONDITION GENERALLY AGGRAVATED BY EXPOSURE: None known

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wash with water. May be neutralized cautiously with soda ash.
WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store away from children.
OTHER PRECAUTIONS: Avoid prolonged contact.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: None required.
VENTILATION: General is adequate.
PROTECTIVE GLOVES: Neoprene or PVC gloves
EYE PROTECTION: Goggles or safety glasses with side shields.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Neoprene or PVC apron. Eye wash fountain and safety shower.
WORK / HYGIENIC PRACTICES: Protect eyes, skin and clothing from contact with product. Do not take internally. Wash contaminated clothing prior to reuse.

SECTION IX - DISCLAIMER

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE SO. NOTHING CONTAINED HEREIN CONSTITUTES A SPECIFICATION NOR IS IT INTENDED TO WARRANT SUITABILITY FOR THE INTENDED USE.