

AMERICAN GAS & CHEMICAL COMPANY, LTD.
MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

ADDRESS: 220 Pegasus Avenue, Northvale, NJ 07647
TELEPHONE: 201-767-7300
PRODUCT: FLUORO FINDER IIIAL Shot Peen Liquid Tracer
TYPE PACKAGES: 1 pint metal can
CHEMICAL FAMILY: None, mixture
EFFECTIVE DATE: February 2, 2002

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical product is a preparation.
INGREDIENTS CONTRIBUTING TO THE HAZARD:
Methyl Ethyl Ketone CAS-78-93-3 -99%

3. HAZARDS IDENTIFICATION

Contains no other hazardous ingredients according to the provisions given in 29 CFR 1910.1200, OSHA Hazard Communication Rule.

LOW HAZARD FOR USUAL INDUSTRIAL OR COMMERCIAL HANDLING BY TRAINED PERSONNEL

4. FIRST-AID MEASURES

Inhalation: Vapor irritates eyes, nose and throat. If overcome by vapors, remove to fresh air and if breathing stops, give artificial respiration. Keep individual calm. Call a physician.

Skin Contact: Liquid is irritating to skin causing dermatitis. If skin contact occurs, wash affected parts thoroughly with soap and water; launder clothing before reuse.

Eye Contact: If eye contact occurs, flush with water for at least 15 minutes and call a physician.

Ingestion: Can cause headache, nausea, vomiting, dizziness, gastrointestinal irritation, and central nervous system depression. If swallowed, do not induce vomiting. Call a physician.

5. FIRE HAZARDS

FLASH POINT: 20°F., ASTM D-56

FLAMMABLE LIMITS IN AIR: Lel 1.4%, Uel 11.4% by volume

EXTINGUISHING MEDIA: Dry chemical or alcohol type foam. Water spray may be ineffective.

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool fire-exposed surfaces and to protect personnel. Respiratory protection required for fire fighting personnel. Stay upwind if possible.

6. ACCIDENTAL RELEASE MEASURES

SPILLS AND LEAKS: Wear self-contained breathing apparatus and full protective clothing. Shut off ignition sources: no flares, smoking or flames in area. Stop leak if you can do so without risk. Use water spray to reduce vapors. Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

7. HANDLING & STORAGE PROCEDURES

GENERAL: This material should be handled by a person trained in or supervised by a person trained in chemical handling. It causes irritation and is extremely

flammable. Keep away from heat, sparks, flame. Avoid contact with eyes, skin, clothing. Avoid breathing vapor. Use with adequate ventilation. Wash thoroughly after handling. No smoking. Take precautionary measures against static discharges.

STORAGE: Keep containers tightly closed. Store in cool (under 75°F), dry, well-ventilated, flammable liquid storage area. Isolate from incompatible materials. SHELF LIFE: 2 years.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

MEDICAL CONDITIONS KNOWN TO BE AGGRAVATED BY EXPOSURE TO PRODUCT: Respiratory system disease, skin disorders.

EFFECTS OF OVEREXPOSURE: Vapor irritates eyes, nose and throat. If overcome by vapors, remove to fresh air and if breathing stops, give artificial respiration. Keep individual calm. Call a physician.

PERSONAL PROTECTIVE EQUIPMENT: Safety goggles, uniform, apron, butyl rubber gloves are recommended. Use general or local exhaust ventilation to meet TLV requirements. Respiratory protection required if airborne concentration exceeds TLV. At concentrations up to 1000 ppm, a chemical cartridge respirator with organic vapor cartridge is recommended. Above this level, a self-contained breathing apparatus is recommended.

9. PHYSICAL PROPERTIES

BOILING POINT:	79.6°C	VAPOR PRESSURE:	190 mm Hg at 38°C
PERCENT VOLATILE:	97	VAPOR DENSITY:	(Air = 1) 2.5
DENSITY:	0.807 at 20°C	EVAPORATION RATE:	(m-BuAc = 1) 5.6
WATER SOLUBILITY:	Appreciable, ca. 25%	APPEARANCE:	Clear yellow liquid
pH	N/A	ODOR:	Acetone-like odor

10. STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizing agents, strong bases, caustics, mineral acids and ammonia, halogens, plastics, rubber.

HAZARDOUS DECOMPOSITION PRODUCTS: If burned, CO and/or CO₂.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE (TLV): 200 ppm TWA for 8 hour work day.

CARCINOGENICITY: None identified.

12/13. ECOLOGICAL INFORMATION/DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with all applicable federal, state and local environmental regulations. EPA Hazardous Waste No. is U159 (Toxic Waste).

14. DOT INFORMATION

SHIPPING NAME:	Flammable liquid, N.O.S.
MARKING:	Flammable liquid, N.O.S.
HAZARD CLASS:	Flammable liquid
IDENTIFICATION:	UN1993

15. REGULATORY INFORMATION

HMIS Ratings: Health -2, Flammability -3, Reactivity -1, Personal Protection -C
NFPA Ratings: Health - 1, Flammability - 3, Reactivity - 0

Note: HMIS and NFPA ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

16. OTHER INFORMATION

1. Product meets the requirements of GE Spec D50TF9 Rev S32.
2. To achieve the best results with this product, personnel using the product or interpreting the results should be qualified to the requirements of ASNT-TC-1A or its equivalent. However even when used by qualified personnel do not expect to find all leaks or flaws which could theoretically be found.
3. The information and recommendations set forth herein are believed to be accurate as of the date hereof. We make no warranty with respect thereto and disclaim all liability from reliance thereon.
4. Container labeling-uses Hazardous Materials Identification System (HMIS). The letter "C" for Personal Protection means the user should wear the following when working with chemical: (safety glasses/splash goggles, synthetic apron, and gloves). Hazardous Index under this system rates degree of hazard from 0 to 4 in each category:
 - 0 = minimal hazard
 - 1 = slight hazard
 - 2 = moderate hazard
 - 3 = serious hazard
 - 4 = severe hazard

Elena Frost

DOC DATE: 02/02
DOC:msdsffiii
REV: h

SIGNED: _____
Elena Frost, Sr.Chemist