



PENETRANT PROFESSOR APPROVED

MSDS for E-58D Emulsifier

NFPA rating	Bulk	Aerosol
Health	1	NA
Flammability	1	NA
Reactivity	0	NA
WHMIS (Canada)	D2B	NA

April 27, 2007

Page 1 of 2

1. IDENTIFICATION

Company: Met-L-Chek Company
 Address: 1639 Euclid Street, Santa Monica, California 90404 USA
 Telephone: 310-450-1111(Off-Hour Emergency: Chemtrec 1-800-424-9300).
 Generic ID: AMS-2644 Type I, Method D, Hydrophilic Emulsifier.
 Product Use: NDT Penetrant Inspection per ASTM E-1417.

2. COMPOSITION

Ingredients	CAS #	% by Weight (in bulk)	% by Weight (in aerosol)
Ethylene Glycol	107-21-1	60-80	na

3. HEALTH HAZARDS

Eye Contact: Liquid may cause irritation, redness, tearing and stinging of eyes.
 Skin Contact: May cause skin irritation with prolonged or repeated contact.
 Swallowing: Small amounts may not produce harmful effects. Large amounts may be harmful.
 Inhalation: Small amounts may not be harmful. Large amounts may be harmful.
 Over Exposure: Stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, fatigue, headache).

4. FIRST AID

Eyes: Flush eyes with clean water holding eyelids open. Seek medical attention.
 Skin: Remove contaminated clothing. Wash exposed area with soap and water. Apply moisturizing lotion. Launder clothing before reuse. Clean shoes before reuse.
 Swallowing: Do not induce vomiting. Small amounts are not expected to cause significant harm.
 Inhalation: Remove to fresh air.

5. FIRE HAZARDS

Flash Point: >93.3°C (>200°F) PMCC
 Explosive Limit: not established
 Autoignition Temperature: not established
 Hazardous Products of Combustion: May form carbon dioxide and carbon monoxide.
 Fire and Explosion Hazards: Sealed containers may burst when heated.
 Extinguishing Media: Dry chemical, foam or carbon dioxide.
 Fire Fighting Instructions: Water may be ineffective. Water spray may be used to keep fire exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

Spill: Ventilate area. Remove all sources of ignition. Wear protective gear. Collect liquid in an appropriate container or absorb with an inert material such as vermiculite, dry sand, or earth; DO NOT use combustible materials, and place in a chemical waste container. Do not flush to sewer.

7. HANDLING and STORAGE

Handling: Protect against physical damage. Store in a cool, dry well-ventilated location, away from areas where fire hazard or ignition sources may exist. Store and use in NO SMOKING area. Empty containers may contain residue liquid and vapors.

8. EXPOSURE CONTROLS and PERSONAL PROTECTION

Eye Protection: Chemical splash goggles, safety glasses are advised.
 Skin Protection: Wear resistant gloves, impervious clothing and boots are suggested as well.
 OSHA Exposure Limits: (VPEL): 50ppm
 ACGIH Threshold Limit:(TLV):100 mg/M
 Ventilation System: A system of local or general exhaust is recommended to keep employee exposure below the airborne exposure limits. Personal Respirators (NIOSH approved) if exposure limit is exceeded.

MSDS- E-58D-1/4/07





PENETRANT PROFESSOR APPROVED

MSDS for E-58D Emulsifier

NFPA rating	Bulk	Aerosol
Health	1	NA
Flammability	1	NA
Reactivity	0	NA
WHMIS (Canada)	D2B	NA

April 27, 2007

Page 2 of 2

9. PHYSICAL PROPERTIES

Initial Boiling Point: na
Specific Vapor Density Air=1:na
Appearance: pinkish red liquid.

Vapor Pressure : na
Density: 1.12 Kg/L (9.3 lbs/Gal)
Solubility in Water: 100%

Specific Gravity: 1.12 @ 60°F
Evaporation Rate (Ethyl Ether=1):na

10. STABILITY and REACTIVITY

Stable under ordinary conditions of use and storage.
Hazardous Polymerization: Will not occur.
Incompatibilities: Avoid contact with strong acids, alkalies, and oxidizing agents.

11. TOXICOLOGICAL INFORMATION

No data available on product.

12. ECOLOGICAL INFORMATION

No data available on product.

13. DISPOSAL CONSIDERATION

Dispose of container and unused contents with a licensed waste facility as a non-hazardous oily waste.

14. TRANSPORTATION

DOT Information- 49CFR172.101

	Bulk	Aerosol
Shipping name:	Cleaning Compound	na
Label:	none	na
Hazard class:	none	na
Identification #:	none	na
Packing Group:	none	na

Not regulated by D.O.T. in containers less than 119 gallons (450 L) capacity.

IATA

	Bulk	Aerosol
Shipping name:	not regulated	na
Label:	none	na
Hazard class:	none	na
Identification #:	none	na
Packing Group:	none	na

15. REGULATORY INFORMATION

TSCA:Listed
CERCLA RQ- 49CFR302.4(a): Ethylen Glycol, RQ 5000 lbs.
SARA 302 Components-40CFR355 appendix A: None
Section 311/312 Hazard Class-40CFR370.2: Immediate (X), Delayed (X), Fire (), Reactive (), Sudden release of pressure ()
SARA 313 components-40CFR372.65: Ethylene Glycol, CAS # 107-21-1 < 80%.
California Proposition 65 requires the following statement- product may contain detectable amounts of sustances known to the state of California to cause cancer, (ethylene Oxide).
New Jersey RTK Label- Ethylene Glycol CAS # 107-21-1.
Pennsylvania RTK Label- 1.2-Ethanediol.

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

Note: MSDS information is for as supplied concentrate and may not be applicable to the in use material. Product is used in water at 17-20 % concentration. Supersedes MSDS dated 1/3/2005

MSDS- E-58D-2/4/07

Met-L-Chek Company, 1639 Euclid Street, Santa Monica, California 90404, U.S.A.

Phone: 310-450-1111

Fax: 310-452-4046

E-Mail: info@met-l-chek.com

