



PENETRANT PROFESSOR APPROVED

April 27, 2007

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MSDS for D-78B Developer

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

9. PHYSICAL PROPERTIES

Appearance: White powder.
Solubility in Water: 10 %

10. STABILITY and REACTIVITY

Stable under ordinary conditions of use and storage.
Hazardous Polymerization: Will not occur.
Incompatibilities: Avoid water and moisture to maintain fluffiness.

11. TOXICOLOGICAL INFORMATION

This material contains talc (a naturally occurring mineral) which may contain a constituent which is listed as a carcinogen by the IARC and National Toxicology Program. It is not listed by OSHA or ACGIH.

12. ECOLOGICAL INFORMATION

No data available on product.

13. DISPOSAL CONSIDERATION

Dispose of container and unused contents as a solid waste.

14. TRANSPORTATION

DOT Information- 49CFR172.101

	Bulk	Aerosol
Shipping name:	Talc in Bulk	na
Label:	none	na
Hazard class:	none	na
Identification #:	none	na
Packing Group:	none	na

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): None listed
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: None.
California Proposition 65 requires the following statement-product may contain detectable amounts of substances known to the state of California to cause cancer.

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 powder and may not be applicable to the in use material, which is used in water at 1/2 lb./gal.

Supersedes MSDS dated 1/3/2005

MSDS- D-78B-2/4/07





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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 Types I 7 II, Methods A, B, C, & D, Form "c", Developer.
 Product Use: NDT Penetrant Inspection per ASTM E-1417.

2. COMPOSITION

Ingredients	CAS #	% by Weight (in bulk)	% by Weight (in aerosol)
Magnesium Silicate Hydrate (talc)	14807-96-6	35-65	na

3. HEALTH HAZARDS: Dust Hazard

Eye Contact: Abrasive,irritation, redness, tearing, stinging and possible swelling of eyes.
 Skin Contact: May cause dry skin irritation with prolonged or repeated contact.
 Swallowing: Small amounts may not produce harmful effects. Large amounts may be harmful.
 Inhalation: Airborne dust may cause irritaion of mucous membranes and respiratory tract.
 Over Exposure: Stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways).

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. If breathing is difficult seek medical attention.

5. FIRE HAZARDS

Flash Point: na
 Explosive Limit: not established
 Autoignition Temperature: not established
 Hazardous Products of Combustion: not combustible.
 Fire and Explosion Hazards: dust.
 Fire Fighting Instructions: Follow procedures for surrounding materials.

6. ACCIDENTAL RELEASE MEASURES

Spill: Remove all sources of ignition. Wear protective eye and inhalation gear. Vacuum or wet sweep material and collect in an appropriate 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 powder.

8. EXPOSURE CONTROLS and PERSONAL PROTECTION

Eye Protection: Dust tight goggles.
 Skin Protection: Wear resistant gloves, and clothing to cover arms and legs.
 OSHA Exposure Limits: (VPEL): 2.0 mg/M.
 ACGIH Threshold Limit:(TLV): 2.0 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-D-78B-1/4/07

