

Material Safety Data Sheet

SECTION 1 – MANUFACTURER INFORMATION

Product name: VALIDATE[®] Chem 4 Calibration Verification Test Set; VALIDATE[®] Chem 5 Calibration Verification Test Set; VALIDATE[®] Chem 21 Calibration Verification Test Set, VALIDATE[®] GCE Calibration Verification Test Set

Product number(s): 104bc, 104ro, 104db, 104ri, 104ab, 104sm, 105bc, 105ro, 105db/ri, 105sm, 201(bili set) and 1500.

Manufacturer: Maine Standards Company
Address: 765 Roosevelt Trail
Windham, ME 04062

Phone: 800-377-9684
Fax: 207-892-2266

The above listed Validate[®] products contain ~33% Ethylene Glycol. Ethylene Glycol is not a known carcinogen. The lethal dose for humans is ~100mL (1/3 cup).

SECTION 2 – HAZARDOUS INGREDIENTS

| Chemical Name | CAS # | Chemical Formula | Synonyms |
|-----------------|----------|---|---|
| Ethylene Glycol | 107-21-1 | C ₂ H ₄ (OH) ₂ | 1,2-Ethanediol; Glycol; 1,2-Dihydroxyethane; Ethylene Alcohol; Ethylene Dihydrate |

FIRST AID

WARNING - HARMFUL OR FATAL IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. MAY CAUSE ALLERGIC SKIN REACTION. MAY CAUSE IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. AFFECTS CENTRAL NERVOUS SYSTEM.

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| Inhalation | Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. |
| Ingestion | Never give anything by mouth to an unconscious person. Get medical attention immediately. |
| Skin | Remove any contaminated clothing. Wash skin with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists. |
| Eyes | Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately. |

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| DOT Hazard Class | Not regulated |
| Potentially Biohazardous Ingredients | See package inserts for information relating to biohazard materials. |

SECTION 3 – PHYSICAL DATA

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| Boiling Point (°F) | Not applicable | Appearance and Odor | Pale yellow liquid; slight odor |
| Vapor Pressure (mm of Hg) | Not applicable | Specific Gravity @ 20°C | Not applicable |
| Vapor Density (air = 1) | Not applicable | Evaporation Rate | Not applicable |
| Solubility | Not applicable | Melting Point | Not applicable |

SECTION 4 – FIRE AND EXPLOSION DATA

| | | |
|---|--------------------------------------|-------------------------------|
| Flash Point | Not applicable | NFPA Rating: Health: 2 |
| Extinguishing Media | Dry chemical, foam or carbon dioxide | Flammability: 1 |
| Special Procedures | Not applicable | Reactivity: 0 |
| Unusual Fire / Explosion Hazards | Not known | |

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SECTION 5 – HEALTH HAZARD DATA

| | | | | |
|--|---------------------|--|--------------------------|--------------------------|
| Health Hazards (acute and chronic) | | Product is not expected to present a health hazard when employing good laboratory practices. | | |
| Medical Conditions Generally Aggravated by Exposure | | Not known | | |
| Routes of Entry | Eyes: Yes | Skin: Yes | Ingestion: Yes | Inhalation: No |

SECTION 6 – STABILITY AND REACTIVITY DATA

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|---------------------------------|---|
| Stability | Stable under ordinary conditions of use and storage |
| Incompatibility | Not known |
| Decomposition | Not known |
| Hazardous Polymerization | Not known |

SECTION 7 – SPILL OR LEAK PROCEDURES

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| Spill Procedures | Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in a suitable container. |
| Waste Disposal Procedures | Dispose of according to local, state and federal regulations. |

SECTION 8 – SPECIAL PROTECTION INFORMATION

| | |
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| Respiratory | None |
| Protective Clothing | Normal laboratory apparel including lab coat, gloves and eye protection |
| Ventilation | Mechanical (general) |
| Hygienic Practices | Wash hands with soap and water after handling |

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