

Material Safety Data Sheet

SECTION 1 – MANUFACTURER INFORMATION

Product name: VALIDATE® UC1 Calibration Verification Test Set
Product number: 701bc, 701db, 701ri, 701ro, 701vt

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

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

The above listed Validate® product contains ≥ 2.0% Urea. Urea is not a known carcinogen. There is no ACGIH limit.

SECTION 2 – HAZARDOUS INGREDIENTS

Chemical Name	CAS #	Chemical Formula	Synonyms
Urea	57-13-6	CO(NH ₂) ₂	Carbamide, Carbamimidic acid, Carbonyl diamide, Isourea

FIRST AID

Inhalation	Remove to fresh air. If breathing becomes difficult, give oxygen
Ingestion	Rinse mouth with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Contact a physician.
Skin	Wash liberally with soap and copious amounts of water.
Eyes	Flush eyes with copious amounts of water for at least 15 minutes.

DOT Hazard Class	This substance is considered to be non-hazardous for transport.
Potentially Biohazardous Ingredients	See package inserts for information relating to biohazard materials.

SECTION 3 – PHYSICAL DATA

Boiling Point (°C)	Not Applicable	Appearance and Odor	White solid with slight ammonia odor
Vapor Pressure (mm of Hg)	Not Applicable	Specific Gravity @ 20°C	1.335 g/cm ³
Vapor Density (air = 1)	Not Applicable	Evaporation Rate	Not Applicable
Solubility	8M in DiH ₂ O at 20°C	Melting Point	133-135°C

SECTION 4 – FIRE AND EXPLOSION DATA

Flash Point	Not applicable	NFPA Rating: Health: 2
Extinguishing Media	Water spray, carbon dioxide, dry chemical powder, or appropriate foam	Flammability: 0
Special Procedures	Not applicable	Reactivity: 0
Unusual Fire / Explosion Hazards	Emits toxic fumes under fire conditions	

SECTION 5 – HEALTH HAZARD DATA

Health Hazards (acute and chronic)	Not harmful if used under normal conditions.			
Medical Conditions Generally Aggravated by Exposure	Not known			
Routes of Entry	Eyes: Yes	Skin: Yes	Ingestion: Yes	Inhalation: Yes

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SECTION 6 – STABILITY AND REACTIVITY DATA

Stability	Stable under ordinary conditions of use and storage
Incompatibility	Avoid strong oxidizing agents
Decomposition	Carbon monoxide, carbon dioxide, and nitrogen oxides
Hazardous Polymerization	Will not occur

SECTION 7 – SPILL OR LEAK PROCEDURES

Spill Procedures	Sweep up, place in a bag and hold for waste disposal.
Waste Disposal Procedures	Dispose of according to local, state and federal regulations.

SECTION 8 – SPECIAL PROTECTION INFORMATION

Respiratory	Government approved respirator
Protective Clothing	Normal laboratory apparel including lab coats, gloves and eye protection
Ventilation	Mechanical (general)
Hygienic Practices	Wash hands with soap and water after handling

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