



## Material Safety Data Sheet

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 3M(TM) Comply(TM) Bowie-Dick Test Packs 00132, 00135, 00135EW, 1233, 1233 S.G.H, and COL00135 Columbia Bowie-Dick Plus Test Pack

**MANUFACTURER:** 3M

**DIVISION:** Medical Division

**ADDRESS:** 3M Center  
St. Paul, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)

**Issue Date:** 09/21/2005

**Supersedes Date:** 09/19/2005

**Document Group:** 11-9476-0

#### Product Use:

Specific Use: To indicate conditions for steam sterilization.

### SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
Paper	None	> 95
Polyurethane/polyester foam	Unknown	< 2
Sulfur	7704-34-9	< 1.5
Lithium carbonate	554-13-2	< 0.2
Lead carbonate hydroxide	1319-46-6	< 0.01

### SECTION 3: HAZARDS IDENTIFICATION

#### 3.1 EMERGENCY OVERVIEW

**Specific Physical Form:** Paper

**Odor, Color, Grade:** Test pack is a 5 inch square block about 3/4 inch thick, over wrapped with blue paper. The interior of the pack contains blotter type paper, a single plastic foam sheet (1/4 inch thick) & a single paper sheet with indicator ink.

**General Physical Form:** Solid

**Immediate health, physical, and environmental hazards:** Contains a chemical or chemicals which can cause cancer. May cause target organ effects. Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

### 3.2 POTENTIAL HEALTH EFFECTS

**Eye Contact:**

No health effects are expected.

**Skin Contact:**

No health effects are expected.

**Inhalation:**

No health effects are expected.

**Ingestion:**

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

May be absorbed following ingestion and cause target organ effects.

**Target Organ Effects:**

May accumulate in the body.

Prolonged or repeated exposure may cause:

Hard Tissue Effects: Signs/symptoms may include color changes in the teeth and nails; changes in development of bone, teeth or nails; weakening of the bones; and/or hair loss.

Blood Effects: Signs/symptoms may include generalized weakness and fatigue, skin pallor, changes in blood clotting time, internal bleeding, and/or hemoglobinemia.

Kidney/Bladder Effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination.

Peripheral Neuropathy: Signs/symptoms may include tingling or numbness of the extremities, incoordination, weakness of the hands and feet, tremors and muscle atrophy.

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

**Carcinogenicity:**

Contains a chemical or chemicals which can cause cancer.

<u><b>Ingredient</b></u>	<u><b>C.A.S. No.</b></u>	<u><b>Class Description</b></u>	<u><b>Regulation</b></u>
LEAD, INORGANIC COMPOUNDS	NONE	Group 2B	International Agency for Research on Cancer

### 3.3 POTENTIAL ENVIRONMENTAL EFFECTS

The components labeled "inorganic" do not biodegrade, but may be removed by other mechanisms.

Tests show that the components labeled "Bioconcentrate" will bioconcentrate or accumulate in living organisms (BCF >100).

Inorganic: Lead (1319-46-6 )

Bioconcentrate: Lead (1319-46-6)

Lead is very toxic to aquatic organisms (0.1 mg/L < Lowest LC50, EC50, or IC50 < 1 mg/L).

Statements are based on data for Lead (7439-92-1).

## SECTION 4: FIRST AID MEASURES

### 4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Eye Contact:** No need for first aid is anticipated.

**Skin Contact:** No need for first aid is anticipated.

**Inhalation:** No need for first aid is anticipated.

**If Swallowed:** Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 FLAMMABLE PROPERTIES

Autoignition temperature	<i>Not Applicable</i>
Flash Point	<i>Not Applicable</i>
Flammable Limits - LEL	<i>Not Applicable</i>
Flammable Limits - UEL	<i>Not Applicable</i>

### 5.2 EXTINGUISHING MEDIA

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam).

### 5.3 PROTECTION OF FIRE FIGHTERS

**Special Fire Fighting Procedures:** Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

**Unusual Fire and Explosion Hazards:** Not applicable.

**Note:** See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Accidental Release Measures:** Not applicable.

**In the event of a release of this material, the user should determine if the release qualifies as reportable according to**

local, state, and federal regulations.

## SECTION 7: HANDLING AND STORAGE

### 7.1 HANDLING

For industrial or professional use only.

### 7.2 STORAGE

Not applicable.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 ENGINEERING CONTROLS

Not applicable.

### 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### 8.2.1 Eye/Face Protection

Not applicable.

#### 8.2.2 Skin Protection

Not applicable.

#### 8.2.3 Respiratory Protection

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

#### 8.2.4 Prevention of Swallowing

Do not ingest.

### 8.3 EXPOSURE GUIDELINES

<u>Ingredient</u>	<u>Authority</u>	<u>Type</u>	<u>Limit</u>	<u>Additional Information</u>
LEAD, INORGANIC COMPOUNDS	ACGIH	TWA, as Pb	0.05 mg/m3	Table A3
LEAD, INORGANIC COMPOUNDS	OSHA	TWA, as Pb	0.05 mg/m3	Standard Appendix
LEAD, ORGANIC COMPOUNDS	ACGIH	TWA, as Pb	0.05 mg/m3	Table A3

#### SOURCE OF EXPOSURE LIMIT DATA:

ACGIH: American Conference of Governmental Industrial Hygienists

CMRG: Chemical Manufacturer Recommended Guideline

OSHA: Occupational Safety and Health Administration

AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Specific Physical Form:**

**Odor, Color, Grade:**

Paper

Test pack is a 5 inch square block about 3/4 inch thick, over wrapped with blue paper. The interior of the pack contains blotter type paper, a single plastic foam sheet (1/4 inch thick) & a single paper sheet with indicator ink.

**General Physical Form:**

**Autoignition temperature**

**Flash Point**

**Flammable Limits - LEL**

**Flammable Limits - UEL**

**Boiling point**

**Density**

**Vapor Density**

Solid

*Not Applicable*

*Not Applicable*

*Not Applicable*

*Not Applicable*

*Not Applicable*

*Not Applicable*

*Not Applicable*

**Vapor Pressure**

*Not Applicable*

**Specific Gravity**

*Not Applicable*

**pH**

*Not Applicable*

**Melting point**

*Not Applicable*

**Solubility In Water**

*Not Applicable*

**Solubility in Water**

Nil

**Evaporation rate**

*Not Applicable*

**Volatile Organic Compounds**

*Not Applicable*

**Percent volatile**

*Not Applicable*

**VOC Less H2O & Exempt Solvents**

*Not Applicable*

**Viscosity**

*Not Applicable*

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable.

**Materials and Conditions to Avoid:** None known

**Hazardous Polymerization:** Hazardous polymerization will not occur.

### Hazardous Decomposition or By-Products

**Substance**

Carbon monoxide

Carbon dioxide

Oxides of Lead

**Condition**

During Combustion

During Combustion

During Combustion

## SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

## SECTION 12: ECOLOGICAL INFORMATION

## ECOTOXICOLOGICAL INFORMATION

Not applicable.

## CHEMICAL FATE INFORMATION

Not applicable.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of waste consisting on only pre- and/or post-sterilization test pack material in a permitted hazardous waste facility.

Additional information: Dispose as appropriate for your waste stream in accordance with local, state and federal regulations.

**EPA Hazardous Waste Number (RCRA):** D008 (Lead)

Since regulations vary, consult applicable regulations or authorities before disposal.

## SECTION 14: TRANSPORT INFORMATION

**ID Number(s):**

70-2006-9105-6, 70-2006-9621-2, 70-2006-9811-9, 70-2007-0302-6, 70-2007-2151-5, 70-2007-3692-7

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material.

## SECTION 15: REGULATORY INFORMATION

### US FEDERAL REGULATIONS

Contact 3M for more information.

**311/312 Hazard Categories:**

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - No Delayed Hazard - Yes

### STATE REGULATIONS

Contact 3M for more information.

## CHEMICAL INVENTORIES

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements.

Contact 3M for more information.

This material contains one or more substances not listed on the TSCA Inventory. Commercial use of this material is regulated by the FDA.

## **INTERNATIONAL REGULATIONS**

Contact 3M for more information.

**This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

## **SECTION 16: OTHER INFORMATION**

### **NFPA Hazard Classification**

**Health: 1 Flammability: 1 Reactivity: 0 Special Hazards: None**

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

### **Revision Changes:**

Section 3: Potential effects from ingestion information was modified.

Section 3: Immediate other hazard(s) was modified.

Section 3: Carcinogenicity heading was added.

Section 3: Other potential health effects heading was added.

Section 13: Waste disposal method comment was added.

Section 3: Carcinogenicity phrase was added.

Section 3: Other health effects information was added.

Section 6: Release measures note - reportability - was added.

Section 4: First aid for skin contact - none - was added.

Section 3: Other health effects information (reproductive hazards) was added.

Section 13: Waste disposal method information was deleted.

Section 4: First aid for skin contact - decontamination - was deleted.

Section 4: First aid for skin contact - medical assistance - was deleted.

Article disclaimer text (following the copyright) was deleted.

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