

**MATERIAL SAFETY DATA SHEET****ITC****Direct Check Controls (DCJAPTT-N, DCJAPTT-A, DCJLR-A, DCJACT-A, DCJPT-A, DCJPT-N, DCJCPT-A, DCJCPTT-A, DCP214-A, DCPRO-A)****SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION****Company Information  
Address**International Technidyne Corporation  
8 Olsen Avenue  
Edison, New Jersey 08820**Contact Phone Number**

(732) 548-5700

**Emergency Phone Number**

(732) 548-5700

*- See attached list  
for item listing -***Date Issued**

December 16, 2004

**Product Name**Direct Check Controls (DCJAPTT-N, DCJAPTT-A,  
DCJLR-A, DCJACT-A, DCJPT-A, DCJPT-N, DCJCPT-  
A, DCJCPTT-A, DCP214-A, DCPRO-A)**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS****Total Product Volume is < 1 milliliter of diluent and < 0.5 milliliter in vial****Hazardous Components****CAS No.**

Calcium Chloride

10043-52-4

Sodium Chloride

7647-14-5

Benzamidine

1670-14-0

Surfactant

9005-64-5

10% Thimerosal

54-64-8

**SECTION 3 - HAZARD IDENTIFICATION****Emergency Overview**

PRODUCT IS AN ODORLESS POWDER CAKE IN A GLASS VIAL. THE VIAL IS PLACED INTO A SECOND CONTAINER FILLED WITH A LIQUID (DILUENT). THE PRODUCT IS NOT FLAMMABLE.

CONTACT WITH CONTENTS OF PRODUCT IS UNLIKELY DURING INTENDED USE. DIRECT CONTACT WITH EYES OR MUCOUS MEMBRANE MAY CAUSE IRRITATION. IMMEDIATELY FLUSH WITH WATER. USED PRODUCT

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**ITC**

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SHOULD BE CONSIDERED A BIOHAZARD. FOLLOW UNIVERSAL PRECAUTIONS.

### Potential Health Effects

<b>Eye</b>	Direct contact with contents of product with eyes may cause irritation. Such contact is unlikely with intended use. Eye contact with used product should be considered a potential biohazard exposure.
<b>Skin</b>	None expected. Skin contact is unlikely with intended use. Contact with used product and non-intact skin should be considered a potential biohazard exposure.
<b>Ingestion</b>	Swallowing contents of product may cause gastrointestinal track irritation and nausea. Ingestion of used product should be considered a potential biohazard exposure. Ingestion is unlikely with intended use.
<b>Inhalation</b>	Inhalation of aerosol formed with contents of product may result in respiratory tract irritation. However, inhalation is unlikely with intended use. Inhalation of used product should be considered a potential biohazard exposure.
<b>Chronic Effects</b>	<p>None expected with intended use. Repeated and prolonged exposures via skin contact, ingestion, and/or inhalation may result in mercury uptake as the product contains a small amount (&lt;0.002%) of Thimerosal, an organic mercury compound. Exposure to mercury can result in central nervous system damage, kidney damage, and mutagenic effects. Such exposures are unlikely with the intended use of this product.</p> <p>Neither the product nor its components are listed by IARC, NTP, or OSHA as carcinogens or potential carcinogens.</p>
<b>Signs And Symptoms</b>	Irritation to the eyes, mucous membrane and/or respiratory system.

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Of Pre-  
Existing  
Conditions**

None Expected. As with any respiratory irritant, persons with impaired respiratory function may be more susceptible to the effects of the product.

**Potential Environmental Effects**

Although not expected within the intended shipping and use of the product, releases into the environment of large quantities of the contents of the product may result in organic mercury contamination of the resources impacted by the release (water, soil).

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**SECTION 4 - FIRST AID MEASURES**

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**Eye**

Immediately flush eye(s) with water for at least fifteen minutes occasionally lifting the upper and lower lids. Should irritation of the eye(s) persist, seek medical attention. Eye contact with used product should be considered a biohazard exposure incident.

**Skin**

In case of skin contact with contents of the product wash the area with plenty of soap and water for at least fifteen minutes. Remove clothing and shoes if in contact with contents of the product and wash clothing and shoes before reuse. Non-intact skin contact with used product should be considered a biohazard exposure incident.

**Inhalation**

Remove exposed person to fresh air (away from aerosolized product). If exposed person is not breathing, give artificial respiration. If inhalation has resulted in labored breathing, respiratory tract irritation or other symptoms, seek medical attention. Inhalation of used product should be considered a biohazard exposure incident.

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**Ingestion** Do not induce vomiting. Wash mouth out with water. Never give anything by mouth to an unconscious person. Ingestion of used product should be considered a biohazard exposure incident.

**SECTION 5 - FIRE FIGHTING MEASURES**

<b>Flash point</b>	Not applicable
<b>Autoignition Temperature</b>	Not applicable
<b>Flammability Classification</b>	Not flammable
<b>LEL</b>	Not applicable
<b>UEL</b>	Not applicable

**Explosion** Not applicable. Product will not explode.

**Fire Extinguishing Media** Product will not burn. For fires with product and other packaging, use extinguishing media suitable for Class A and Class B fires. Do not allow water or other extinguishing runoff to enter sewers or waterways.

**Special Information** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus (SCBA) with a full face piece operated in the pressure demand or other positive pressure mode.

**Hazardous Decomposition Products** None Established.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

For releases involving the contents of a small number of product containers, clean-up with slightly moist absorbent pad, paper towel, or equivalent. Wear nitrile or neoprene gloves during clean-up. Lightweight gloves are sufficient. Goggles should be worn when the potential for forming aerosol exists. Do not allow the material to enter a floor drain, sink, sewer, or storm drain. Place waste in an approved chemical waste container.

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For releases involving larger quantities of the contents of the product containers, for example a damaged pallet of product, use slightly moistened absorbent pads or rags to clean-up released material. Wear heavy nitrile or neoprene gloves and goggles during clean-up. Where foot or other body contact with product may occur, wear boots and an apron or coverall made of nitrile or neoprene. Do not allow the material to enter a floor drain, sink, sewer, or storm drain. Place waste in an approved chemical waste container.

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**SECTION 7 - HANDLING AND STORAGE**

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During use and with used product, the product should be handled a potential biohazard. Due to this, users should wear gloves during use. Users should wear lightweight nitrile or neoprene gloves during use. Where contents of the product may be aerosolized, goggles should be used. Always wash hands thoroughly after use and before consuming food or beverage, using tobacco products, applying cosmetics, or otherwise engaging in hand to mouth activities. Used product should be handled as a potential biohazard.

Store material away from temperature extremes and strong oxidizing agents.

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**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Engineering Controls**

Engineering controls are not necessary with intended use.

**Personal Protective Equipment****Eye/Face  
Protection**

If contents of product may be aerosolized, wear goggles.

**Skin Protection**

During use and with used product, the product should be handled a potential biohazard. Due to this, users should wear gloves during use. Where large amounts of contents of product must be handled (e.g. during a large clean-up of released material), don nitrile or neoprene aprons or coveralls and boots. In addition, use heavy duty gloves made of nitrile or neoprene.

**Respiratory  
Protection**

Respiratory protection is not necessary during the intended use of this product.

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## Exposure Guidelines:

INGREDIENT	OSHA PEL	ACGIH TLV
Calcium Chloride	NE	NE
Sodium Chloride	NE	NE
Benzamidine	NE	NE
Surfactant	NE	NE
Thimerosal	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup> (Ceiling)

NE: Not established

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Description:</b>	Dried Powder Cake and Liquid	<b>Boiling Point:</b>	Not Determined
<b>Appearance:</b>	Powder Cake in Glass Vial inside Fluid Filled Container	<b>Melting Point:</b>	Not Determined
<b>Odor:</b>	None Discernable	<b>Density:</b>	Not Determined
<b>Solubility:</b>	Soluble in water	<b>Vapor Density:</b>	Not Determined
<b>pH:</b>	Not Determined	<b>Vapor Pressure:</b>	Not Determined

## SECTION 10 - STABILITY AND REACTIVITY

**Stability** Stable under normal conditions.

**Conditions to avoid** Avoid temperature extremes and contact with strong oxidizing agents.

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

**Incompatibilities:** Do not use or store near strong oxidizing agents

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

Toxicological data for the product is not currently available. Inhalation and/or ingestion exposures to the product are unlikely with intended use.

The product contains a small amount (<0.002 percent) of Thimerosal, an organic mercury compound. Prolonged or repeated dermal exposure to and inhalation, and/or ingestion of the product may result in mercury uptake. Exposure to mercury can result in central nervous system damage, kidney damage, and mutagenic effects. Skin absorption of high concentrations of mercury can be fatal.

<b><u>Calcium Chloride:</u></b>	Mouse, LD50, Oral	1,940 mg/kg
	Rat, LD50, Oral	1,000 mg/kg
<b><u>Sodium Chloride:</u></b>	Mouse, LD50, Oral	4,000 mg/kg
	Rat, LD50, Oral	3,000 mg/kg
<b><u>Benzamidine:</u></b>	Not Established	
<b><u>Surfactant:</u></b>	LD50, Rat,	35,000mg/kg
<b><u>Thimerosal:</u></b>	LD50, Rat, Oral	75 mg/kg
	LD50, Mouse, Oral	91 mg/kg

Neither the product nor its components are listed by IARC, NTP, or OSHA as carcinogens or potential carcinogens.

**SECTION 12 - ECOLOGICAL INFORMATION**

Ecological testing has not been reported for this product. The contents of the containers will generally mix with water. The contents of the inner vial will generally remain on solid surfaces following release. The contents of the outer container will generally seep into porous surfaces.

Used material should be considered a biohazard.

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Released contents of the product should be recovered and may need to be handled as hazardous waste depending on quantity released (the product contains a trace amount of organic mercury). Typical releases will most likely be quite small (< 1.5 milliliters or less). Used product should be considered a biohazard. Dispose of container and unused contents in accordance with applicable federal, state and local regulations. Individual state and local regulations may differ from federal regulations. Used material should be considered a biohazard.

**SECTION 14 - TRANSPORT INFORMATION****DOT:** Not Regulated**IATA:** Not Regulated**SECTION 15 - REGULATORY INFORMATION****Chemical Inventory Status:****Inventory:****Status**

United States (TSCA)

The chemical ingredients are on the inventory.

Individual states have their own Right-to Know Programs and chemical inventories. The following list presents the ingredients and indicates their presence or absence selected state hazardous chemical inventories. A "yes" indicates the material is listed on an inventory.

<b><u>Ingredient:</u></b>	<b><u>NI</u></b>	<b><u>CA (Prop. 65)</u></b>	<b><u>FL</u></b>	<b><u>MA</u></b>	<b><u>PA</u></b>
Calcium Chloride	No	No	Yes	No	No
Sodium Chloride	No	No	Yes	No	No
Benzamidine	No	No	No	No	No
Surfactant	No	No	Yes	No	No
Thimerosal	Yes	Yes	Yes	Yes	Yes

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The status of the chemical ingredients relative to these international inventories is presented below.

<b><u>Ingredient:</u></b>	<b><u>Canadian DSL</u></b>	<b><u>European Union EINECS</u></b>
Calcium Chloride	Yes	Yes
Sodium Chloride	Yes	Yes
Benzamidine	Yes	Yes
Surfactant	Yes	No
Thimerosal	Yes	Yes

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**SECTION 16 - OTHER INFORMATION**

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EC Safety Phrases: S20, S21, S25  
EC Risk Phrases: R22, R36, R37

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	A	B	C	D	E	F
1	Status	Item #	Mfg Abbv	Cat #	MSDS Code	Description
2	DGM	472830	INTECH	DCPRO-A	01	CONTROL, DIR CK ABNORM F/PROTI
3		473792	INTECH	DCJCPT-A	01	CONTROL, ABNORMAL PT(15/BX)
4	DGM	488513	INTECH	DCJPT-N	01	CONTROL, NORMAL PT (L*PINEHRST
5	DGM	488514	INTECH	DCJPT-A	01	CONTROL, ABNORMAL PT (L*PINEHR
6		529813	INTECH	DCJLR-A	01	CONTROL, DIRECT CHECK ABNORMAL
7		536856	INTECH	DCJPT-N	01	CONTROL, NORMAL F/J201 CUVETTE
8		536857	INTECH	DCJAPTT-N	01	CONTROL, NORMAL F/J103 CUVETTE
9		536858	INTECH	DCJAPTT-A	01	CONTROL, ABNORMAL F/J103 CUVET
10		541580	INTECH	DCJACT-A	01	CONTROL, DIRECT CHECK ABNORMAL
11		542337	INTECH	DCJPT-A	01	CONTROL, ABNORMAL PT (15/BX)
12		556905	INTECH	DCJCAPTT-A	01	CONTROL, DIRECT CHECK CITRATED
13		710749	INTECH	DCPRO-A	01	CONTROL, DIR CK ABNORM F/PROTI