

# Micro Typing Systems, Inc.

an Ortho-Clinical Diagnostics company

## Material Safety Data Sheet

Product code: OCDMTS- MTS TYPING AND SCREENING CARDS  
 Revision date: 10/21/2004

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Supplier:  
 Micro Typing Systems  
 an Ortho Clinical Diagnostics Company  
 1295 S.W. 29th Avenue  
 Pompano Beach, FL 33069

Customer service telephone: (800) 421-3311  
 Emergency telephone number: (800) 424-9300 (24 hours)  
 Product name: MTS Typing and Screening Cards

Product code: OCDMTS- MTS TYPING AND SCREENING CARDS  
 Synonyms:  
 MTS A/B Monoclonal Grouping Card™ (MTS0017)  
 MTS A/B/D Monoclonal and Reverse Grouping Card™ (MTS0515)  
 MTS A/B/D Monoclonal Grouping Card (MTS1115)  
 MTS Anti-IgG, -C3d Card (MTS4014)  
 MTS Anti-IgG Card™ (MTS4024)  
 MTS Anti-A (Murine Monoclonal) Card (MTS0014)  
 MTS Anti-A,B (Murine Monoclonal) Card (MTS0016)  
 MTS Anti-B (Murine Monoclonal) Card (MTS0015)  
 Monoclonal Control Card™ (MTS1001)  
 Ortho ProVue™ Reference Card (MTS1002)

### 2. HAZARDS IDENTIFICATION

Emergency overview: The product contains no ingredients which at their given concentration, are considered to be hazardous to your health.  
 Product contains animal-derived material.

Properties affecting health: None.

Principle routes of exposure:  
 Oral: No effects expected.  
 Eye contact: No effects expected.  
 Skin contact: No effects expected.  
 Ingestion: No effects expected.  
 Inhalation: No effects expected.

Physico-chemical properties: No hazards resulting from material as supplied.

Hazard information:  
 Target organ effects: Unknown on product.

Company: Johnson & Johnson

Product code: OCDMTS- MTS TYPING AND SCREENING CARDS

Product name: MTS Typing and Screening Cards

**Reproductive effects:** Unknown on product.  
**Mutagenic effects:** Unknown on product.  
**Sensitization:** Unknown on product.

**Carcinogenicity rating:** This product formulation contains no ingredients listed as carcinogenic through reputable agencies.

**Signs and symptoms:** None.

**Medical conditions aggravated by exposure:** None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product formulation contains no ingredients at their given percentages that are considered hazardous to your health.

### 4. FIRST AID MEASURES

**Eye contact:** Immediately flush eye(s) with plenty of water  
If eye irritation persists, consult a specialist.

**Ingestion:** No information available. Consult a physician.

**Inhalation:** Not hazardous by inhalation.

**Skin contact:** Wash off immediately with soap and plenty of water.  
If a person feels unwell or symptoms of skin irritation appear, consult a physician.

**Protection of first-aiders:** No information available.

**Notes to physician:** None.

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**Product code:** OCDMTS- MTS TYPING AND SCREENING  
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**5. FIRE-FIGHTING MEASURES**

Flash point (°F):	Unknown on product.
Flash point (°C):	Unknown on product.
Autoignition temperature:	Unknown on product.
Flammable limits in air - lower (%):	Unknown on product.
NFPA rating:	Not determined.
Fire fighting information:	
Suitable extinguishing media:	Use any extinguishing media which is suitable for the surrounding fire.
Extinguishing media which must not be used for safety reasons:	None.
Specific methods:	None.
Special protective equipment for firefighters:	Wear a self-contained breathing apparatus and full protective gear.
Hazardous combustion products:	None.
Explosivity:	None.
Explosion limits:	
lower:	None.
upper:	None.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions:	Ensure adequate ventilation.
Environmental precautions:	Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.
Methods for cleaning up:	Wipe up with adsorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly. Scoop into suitable container for disposal.

**7. HANDLING AND STORAGE**

Handling:	
Technical measures/precautions: Safe handling advice:	Wear protective safety glasses, gloves and clothing. Wear disposable gloves while handling reagents. Thoroughly wash hands afterwards.
Storage:	
Technical measures/storage conditions: Incompatible products:	Keep at temperatures between 2 and 25°C. No special restrictions on storage with other products.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Engineering controls:	Ensure adequate ventilation.
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Company: Johnson &amp; Johnson

Product code: OCDMTS- MTS TYPING AND SCREENING  
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**Eye protection:** Wear suitable gloves and eye/face protection  
**Hand protection:** Wear suitable gloves and eye/face protection  
**Skin and body protection:** Wear suitable protective clothing.  
**Respiratory protection:** None required.  
**Other/general protection:** None.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Gel  
**Color:** Blue, Yellow and / or Colorless  
**pH:** 6.9 - 7.3  
**Odor:** Not applicable.

## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable under recommended storage conditions.  
**Hazardous polymerization:** Will not occur.  
**Hazardous decomposition products:** None known.  
**Materials to avoid:** None known  
**Conditions to avoid:** Do not freeze.  
 Keep away from heat and sources of ignition

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Local effects

**Oral:** Unknown on product.  
**Eye irritation:** No effects expected.  
**Skin irritation:** No effects expected.  
**Inhalation:** Unknown on product.

#### Chronic toxicity

**Oral:** Unknown on product.  
**Inhalation:** Unknown on product.  
**Dermal:** Unknown on product.

#### Subchronic toxicity

**Oral:** Unknown on product.  
**Dermal:** Unknown on product.

#### Specific effects

**Company:** Johnson & Johnson

**Product code:** OCDMTS- MTS TYPING AND SCREENING  
CARDS

**Product name:** MTS Typing and Screening Cards

Corrosive effects: Unknown on product.  
 Sensitization: Unknown on product.  
 Target organ effects: Unknown on product.  
 Mutagenic effects: Unknown on product.

Reproductive effects: Unknown on product.  
 Developmental effects: Unknown on product.

Carcinogenic effects: Unknown on product.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:**

Ecotoxicity effects: This product has no known eco-toxicological effects.  
 Aquatic toxicity effects: This product has no known aquatic toxicological effects.

**13. DISPOSAL CONSIDERATIONS**

Waste from residues / unused products: Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.

Contaminated packaging: Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.

Methods for cleaning up: Wipe up with adsorbent material (e.g. cloth, fleece).  
 Clean contaminated surface thoroughly.  
 Scoop into suitable container for disposal.

**14. TRANSPORT INFORMATION**

Product not regulated by DOT, IATA/ICAO, IMO/IMDG, ADR/RID, or TDG.

**15. REGULATORY INFORMATION**

SARA (311, 312) hazard class:  
 Immediate health: None.  
 Delayed health: None.  
 Fire: None.  
 Sudden Release of Pressure Hazard: None.  
 Reactivity: None.

TSCA inventory list: Listed under TSCA: Yes

WHMIS:  
 WHMIS trade secret: None.  
 WHMIS hazard class: None.

Canada DSL inventory list: Listed on DSL: Yes

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**Notes:**

1. SARA = Superfund Amendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensations and Liability Act.
3. FIFRA = Federal Insecticide, Fungicide and Rodenticide Act.
4. TSCA = Toxic Substance Control Act.
5. WHMIS = Canadian Workplace Hazardous Materials Information System.
6. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

**16. OTHER INFORMATION**

This data sheet contains changes from the previous version in section(s):

None.

**Additional advice:** None.

**Literary reference:** None.

**MSDS format:** North American Format - U.S. and Canada  
This Material Safety Data Sheet was prepared in accordance with OSHA 29 CFR 1910.1200.

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**End of Safety Data Sheet**

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