

# MSDS

## Material Safety Data Sheet



### Novant *Trionix* T1040Y

MSDS No.: T1040Y    Effective Date: 2003.09.15    Amendatory Date: 2003.12.02    Edition: Revision

#### 1. PRODUCT IDENTIFICATION

**Product Name:** Novant *Trionix* Transparent Iron Oxide Pigments  
**Product Codes:** T1040Y

#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Chemical Name	CAS No.	CI	CI No.
Iron (III) Oxide Hydrate	Fe <sub>2</sub> O <sub>3</sub> ·H <sub>2</sub> O	20344-49-4	Pigment Yellow 42	77492
<b>Hazard Symbols:</b> None Listed			<b>Risk Phrases:</b> None Listed	

#### 3. HAZARDS IDENTIFICATION

No known hazards.

**Exposure Limit:**            ACGIH-TLV    5mg/CMB TWA (Iron Oxide as Fe)  
   OSHA STEL    10ppm (Iron Oxide as Fe)

##### Potential Health Effects

**Eye contact:** May cause mechanical irritation.

**Skin contact:** May cause mechanical irritation.

**Ingestion:** May cause irritation.

**Inhalation:** May cause irritation.

**Chronic health hazards:** Prolonged or repeated exposure to dust may cause dieresis, a benign pneumoconiosis.

**Listed Carcinogen:** Not considered a carcinogen by IARC, NTP, ACGIH or OSHA.

#### 4. FIRST AID MEASURES

##### Summary of first aid as follows:

**Eyes contact:** Immediately flush eyes with water for at least 15 minutes. If discomfort persists, seek medical attention.

**Skin contact:** Wash with soap and water. If irritation persists, seek medical attention.

**Ingestion:** If large quantities are ingested seek medical advice. Not a hazard under normal use conditions.

**Inhalation:** Move person to fresh air. Consult doctor in event of any complaints.

**General:** Remove contaminated clothing.

#### 5. FIRE-FIGHTING MEASURES

##### General Information:

**Flash point °C:** Not applicable.

**Extinguishing media:** Not flammable. Use extinguishing media appropriate for surrounding fire.

**Fire fighting procedures:** Positive pressure, self-contained breathing apparatus.

**Usual fire and explosion hazards:** Not a fire or explosion hazard.

**Specific hazards:** Harmful vapors and fumes can be released in case of fire.

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#### 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautionary measures:** Use protective equipment as indicated in item 8. Avoid inhalation of dusts.

**Spills / Leaks:** Take-up dry. Clean up spills immediately and prevent discharge into drainage/surface streams/groundwater. Avoid generation of dust.

#### 7. HANDLING AND STORAGE

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**General handling:** Avoid breathing dust and generation of dust. Avoid contact with eyes. Wash thoroughly after handling. Provide local exhaust ventilation to ensure dust is below exposure limits.

**Storage:** The packages should be tightly sealed, sound and puncture-proof, press-proof and damp-proof.

#### 8. EXPOSURE CONTROLS

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**Engineering controls:** Storage and utilization facilities should be equipped with accessible water. Use adequate general or local ventilation to minimize dust generation.

##### Personal Protective Equipment

**Respirator:** Dust respirator with particle filter EN 143 Type P1.

**Gloves:** Rubber or Plastics gloves (EN 374).

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles (EN 166).

**Other precautions:** Plastic apron, sleeves, boots - if handling large quantities.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Form:** Powder.

**Color:** Yellow.

**Odor:** Odorless.

**pH:** 6~8

**Auto-flammability:** Not flammable.

**Melting point °C:** > 1000°C

**Solubility in water:** Insoluble.

**Density:** 3.7 g / cm<sup>3</sup>

#### 10. STABILITY AND REACTIVITY

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**Stability data:** Stable.

**Hazardous polymerization:** Will not occur.

**Condition / Hazards to avoid:** None.

**Incompatibility:** Contact with hydrazine, calcium hypochlorite, performic acid and bromine pentafluoride.

**Hazardous decomposition products:** None.

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#### 11. TOXICOLOGICAL INFORMATION

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Based on products of a similar structure and composition:

**LD50/oral/rat:** > 5.0 mg/kg

**Primary skin irritation/rabbit:** non-irritant

**Primary irritations of the mucous membrane/rabbit:** non-irritant

#### 12. ECOLOGICAL INFORMATION

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Based on products of a similar structure and composition:

**Ecotoxic effects:**

Toxicity to fish: *Leuciscus idus*/LC0 (48 h): >1.0 mg/l

Micro-organisms/Effect on activated sludge: *Pseudomonas putida*/EC0: >1.0 mg/l

#### 13. DISPOSAL CONSIDERATIONS

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Dispose of in a manner consistent with federal, state and local legislation and regulations. Pursuant to 40 CFR part 261 of the Resource Conservations & Recovery Act (ACAR) Regulations currently in effect.

#### 14. TRANSPORT INFORMATION

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Not subject to transport regulations.

#### 15. REGULATORY INFORMATION

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SARA 313 III: Section 313 Supplier Notification

This product does not contain toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

This product does not require a hazard warning label in accordance with EC Directives.

#### 16. OTHER INFORMATION

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##### Label requirements

**Label name:** Novant Trionix Transparent Iron Oxide Pigments

**Label grade:** T1040Y

##### Notice to Reader

To the best of our knowledge, the information mentioned above is accurate. However, the final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards existing.

Please ensure that this information is passed to the professionals who are capable of acting on it.