

# MSDS

## Material Safety Data Sheet

### Novant Sirius F2212 Super Red

MSDS No.: F2212 Effective Date: 2001.02.28 Amendatory Date: 2002.02.08 Edition: Revision

#### 1. PRODUCT IDENTIFICATION

**Product Name:** Novant Sirius Super Red Pearlescent Pigment

**Product Codes:** F2212

#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	Chemical Name	%	CAS No.	CI No.
Mica	Mica	52 - 56	12001-26-2	77019
TiO <sub>2</sub>	Titanium Dioxide	44 - 48	13463-67-7	77891
SnO <sub>2</sub>	Tin Oxide	<1	18282-10-5	77861

**Hazard Symbols:** None Listed **Risk Phrases:** None Listed

#### 3. HAZARDS IDENTIFICATION

**Emergency overview:** Not classified as hazardous in Directive 67/548/EEC.

**Toxicity:** No toxicity and no stimulative effects on skin and mucous membrane.

**Heavy metal content:** Pb < 50ppm, As < 5ppm, Hg < 5ppm.

**The most important hazards:** Prolonged or repeated exposure may cause lung damage.

##### Potential Health Effects

**Eye contact:** Dust may cause irritation and inflammation.

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

**Ingestion:** No adverse health effects are expected from swallowing.

**Inhalation:** May cause irritation of the respiratory tract. Prolonged or repeated exposure causes lung damage.

**Chronic health hazards:** Prolonged or repeated exposure to dust may cause pulmonary problems.

#### 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 (large amounts):** If large quantities are ingested seek medical advice. Not a hazard under normal use conditions.

**Inhalation (large amounts of dust particles):** Move person to fresh air. Consult doctor in event of any complaints.

#### 5. FIRE-FIGHTING MEASURES

##### General Information:

**Flash point °C:** Not applicable.

**Lower explosive limit:** Not applicable.

**Autoignition temperature:** Not applicable.

**Upper explosive limit:** Not applicable.

**Extinguishing media:** None – does not burn. 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.

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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. Avoid generation of dusts.

#### 7. HANDLING AND STORAGE

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**General handling:** Material may be slippery when wet. Store in a cool dry place. Avoid breathing dust. Avoid contact with eyes. Wash thoroughly after handling. Provide adequate ventilation.

**Storage:** The packages should be 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 (when dusts are generated).

**Gloves:** Rubber or Plastic.

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles.

**Skin:** Wear appropriate gloves to prevent skin exposure.

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

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Form:** Powder.

**Appearance / Color:** A red color, free flowing powder with a silver luster.

**Range of particle size:** 10-60 $\mu$ m

**Odor:** Odorless.

**pH:** Approximately 6.0 to 9.0 (10% aqueous suspension).

**Electric conduction:** Non-conduction.

**Auto-flammability:** Not flammable.

**Melting point °C:** Decomposes.

**Solubility (in water):** Insoluble.

**Specific gravity / density:** 3.0~3.1g / cm<sup>3</sup>

**Bulk density:** 25~29 g / 100ml

**Chemical stability:** Acid and alkali resistance under the normal temperatures.

#### 10. STABILITY AND REACTIVITY

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**Stability data:** Stable.

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

**Incompatibility:** None known.

**Polymerization:** Will not occur.

**Further information:** None.

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#### 11. TOXICOLOGICAL INFORMATION

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**Acute toxicity:** Quantitative data on the toxicity of this product is not available. Product does not contain any deleterious matter.

##### Further toxicological info

The results of animal experiments using pearl luster pigment of this type indicate no toxicological relevant properties. Since the substance is poorly absorbed, no systemic effects are to be anticipated. Inhalation of dusts should be avoided as even inert dusts may impair respiratory organ functions. No evidence of carcinogenic properties. No evidence of mutagenic or teratogenic effects.

#### 12. ECOLOGICAL INFORMATION

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**Ecotoxic effects:** Quantitative data on the ecological effect of this product are not available.

##### Further ecological data

No ecological problems are to be expected when this product is handled and used with due care and attention.

#### 13. DISPOSAL CONSIDERATIONS

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Dispose of in a manner consistent with federal, state and local legislation and regulations.

#### 14. TRANSPORT INFORMATION

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**Entire package:** Not subject to transport regulations.

#### 15. OTHER INFORMATION

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##### Label requirements

**Label name:** Novant Sirius Super Red Pearlescent Pigment

**Label color:** Super Red

**Label particle size:** 10-60µm

##### 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.