

MSDS

Material Safety Data Sheet



Novant Sirius M4216 Breen

MSDS No.: M4216 Effective Date: 2001.02.28 Amendatory Date: 2003.03.04 Edition: Revision

1. PRODUCT IDENTIFICATION

Product Name: Novant Sirius Breen Pearlescent Pigment

Product Codes: M4216

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	Chemical Name	%	CAS No.	CI No.
Mica	Mica	32 - 36	12001-26-2	77019
Fe ₂ O ₃	Iron (III) Oxide	64 - 68	1309-37-1	77491

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

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

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

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

Form: Powder.

Appearance / Color: A breen, free flowing powder with a metal luster.

Range of particle size: 10-60 μ 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: 3.1~3.2g / cm³

Bulk density: 23~27 g / 100ml

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

10. STABILITY AND REACTIVITY

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

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

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

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

14. TRANSPORT INFORMATION

Entire package: Not subject to transport regulations.

15. OTHER INFORMATION

Label requirements

Label name: Novant Sirius Breen Pearlescent Pigment

Label color: Breen

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.