

1. PRODUCT INFORMATION FOR:**ULTRA PURE ICE PAINT - WHITE****WHMIS CLASS(ES): D2A****Manufacturer's Name:** Ultra Pure Ice Paints**Street Address:** P.O. Box 1455**City:** Naples**State:** Maine**Zip Code:** 04055**Telephone No:** 844-484-1414**24 Hr. Chemical****Emergency Telephone No:** 844-484-1414**USE: ICE PAINT (INDUSTRIAL USE ONLY)****For UN Regulation, please refer to highlighted area in section 4.****Manufacturer's Name:** Ultra Pure Ice Paints**Street Address:** P.O. Box 1455**City:** Naples**State:** Maine**Zip Code:** 04055**Telephone No:** 844-484-1414**24 Hr. Chemical****Emergency Telephone No:** 844-484-1414**INGREDIENTS:** 80% natural organic pigment, 20% TiO₂**2. HAZARDOUS INGREDIENTS:**

Hazardous Ingredient	%	CAS Number	LD ₅₀	LC ₅₀	TLV ¹
Titanium Dioxide	<20%	13463-67-7	>10,000 mg/kg (rats, oral)	>6.8 mg/l	10 mg/m ³

3. PHYSICAL & CHEMICAL PROPERTIES:

Physical state:	Fine Divided Powder
Odor and appearance:	No odor, solid white powder
Odor threshold:	N/A
Specific gravity:	Approx. 3.8 g/cm ³
Vapor pressure:	Not applicable. Non flammable solid.
Vapor density:	Not applicable.
Evaporation rate:	Not applicable.
Boiling point (°F/°C):	Not applicable.
Freezing point (°F/°C):	Not applicable.
pH:	5.0 - 10.0
Coefficient of water/oil distribution:	Not applicable.

4. PREVENTIVE MEASURES:

Personal protective equipment:

- Gloves:
- Respirator:
- Eye:
- Footwear:
- Clothing:
- Other:

Work gloves.
Use a dust mask in dusty conditions.
Safety glasses.
As required by work situation.
As required by work situation.
No special requirements.

Engineering controls:

No special requirements. Ensure adequate ventilation.

Leak and spill procedures:

Use any feasible mechanical means (vacuum, sweeping) but avoid dusting during clean-up. The product can cause slippery conditions if wet.

Waste disposal:

This is a non hazardous material and can be land filled. Please refer to local authorities for their regulations.

Handling procedures and equipment:

No special requirements.

Storage requirements:

No special requirements. Keep containers closed when not in use.

Specific shipping information:

Not classified according to the recommendation of the UN and not regulated as hazardous material by DOT, IMO, or TDG.

5. FIRST-AID MEASURES:

Inhalation:

Move to fresh air atmosphere. Give symptomatic treatment if necessary.

Skin Contact:

Wash with soap and water.

Eye Contact:

Wash with water or neutral eyewash solution for atleast 15 minutes.

Ingestion:

Do not induce vomiting. Give up to 200 ml. of water. In case of persistent symptoms, consult a doctor.

6. TOXICOLOGICAL PROPERTIES:

Routes of exposure:

- | | |
|--------------------|---|
| - Skin contact: | Not irritant |
| - Skin absorption: | Not applicable. |
| - Eye contact: | May cause slight physical irritation. |
| - Inhalation: | May cause minor respiratory irritation. |
| - Ingestion: | Should not cause irritation/problems |

Carcinogenicity of product:

This product contains a minor percentage of Titanium Dioxide (TiO₂). Titanium Dioxide has been classified as Group 2B by IARC and Class 2A- Very toxic by WHI-MIS. IARC considers the product to be possibly carcinogenic to humans based solely on evidence relating to animal (rats & mice) inhalation studies, in which after over-exposing the animals to Titanium Dioxide dust, some increase in cancerous tumors were observed in rats only. **There is no evidence that show an increase in lung cancer or signs of carcinogenicity of humans in the TiO₂ workforce as a result of exposure to TiO₂ dust.**

Not listed as a carcinogen by NTP, OSHA, ACGIH.

Teratogenicity of product: Not known to occur.

Mutagenicity of product: Not known to occur.

Reproductive Toxicity: No data.

Synergistic products: None known.

Effects of acute exposure: None known.

Effects of chronic exposure: None known.

7. STABILITY & REACTIVITY DATA:

Chemically stable: Yes.

Incompatibility with other substances: None reasonably foreseeable.

Hazardous decomposition products: Not applicable.

Hazardous Reactions: Will not occur.

8. FIRE AND EXPLOSION HAZARD:

Flammable properties:	Product is inert, non flammable and non combustible.
Fire fighting measures:	Use any media appropriate for combustible material in the area.
Flash point (°F/°C) and method:	Not applicable
Upper flammable limit (% by volume):	Not applicable. Non flammable solid.
Lower flammable limit (% by volume):	Not applicable. Non flammable solid.
Auto-ignition temperature (°F/°C):	Not available.
Hazardous combustion products:	Not available.
Explosive data:	
- Sensitivity to impact:	No
- Sensitivity to static discharge:	No

9. OTHER INFORMATION:

This material safety data sheet complements the technical data sheet for the use of our product but does not replace it. Users are asked to pay attention to the potential risks taken when a product is being used for uses other than the ones for which it has been developed.

Ultra Pure Ice Paints
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Responsibility for MSDS: Ultra Pure Ice Paints

Preparation of MSDS: April, 2008

While the information and recommendations in this publication are given in good faith, in all cases, it is the responsibility of the user to determine the accuracy and applicability of such information and recommendations and the suitability of any product for its own particular purpose. Nothing herein is to be construed as a warranty and any implied warranty or condition (statutory or otherwise) is excluded to the maximum extent permitted by law. While certain hazards are described in this publication, no guarantee is made that these are exhaustive. Hazards, toxicity and behaviour of the product may differ when used with in conjunction with other materials, in different processes or under different conditions.