



MATERIAL SAFETY DATA SHEET

1. PRODUCT INFORMATION FOR:

USE: ICE PAINT (Industrial use only)

JET ICE SUPER WHITE 3000 PAINT

WHMIS CLASS(ES): D2A

Manufacturer's Name:	Jet Ice Limited	Supplier's Name:	Jet Ice Limited
Street Address:	1091 Kerrisdale Blvd	Street Address:	1091 Kerrisdale Blvd
Town:	Newmarket	Town:	Newmarket
Province:	Ontario	Province:	Ontario
Postal Code	L3Y 8W1	Postal Code	L3Y 8W1
Telephone No.	905-853-4204	Telephone No.	905-853-4204
24 Hr. Chemical Emergency Telephone No.	905-853-4204	24 Hr. Chemical Emergency Telephone No.	905-853-4204

2. HAZARDOUS INGREDIENTS

Hazardous Ingredient	%	CAS Number	LD ₅₀	LC ₅₀	TLV ¹
Titanium Dioxide	<20%	13463-67-7	>24,000 mg/kg (oral, rats)	>682 mg/L	10mg/m ³

3. PHYSICAL DATA

Physical state:	solid
Odour and appearance:	low odour, white powder
Odour threshold:	N.av.
Specific gravity:	approx, 3.55
Vapour pressure:	N.ap.
Vapour density:	N.ap.
Evaporation rate:	N.ap.
Boiling point [°C]:	N.ap.
Freezing point [°C]:	N.ap.
pH:	N.ap.
Coefficient of water/oil distribution:	N.ap.

4. FIRE AND EXPLOSION HAZARD

Flammability:	Not flammable or combustible
Means of extinction:	use extinguisher suitable for surrounding fire
Flash point [°C] and method:	N.ap.
Upper flammable limit [% by volume]:	N.ap.
Lower flammable limit [% by volume]:	N.ap.
Auto-ignition temperature [°C]:	N.av.
Hazardous combustion products:	N.av.
Explosion data:	
a. Sensitivity to impact:	no
b. Sensitivity to static discharge:	no

5. REACTIVITY DATA

Chemically stable:	yes
Incompatibility with other substances:	N.Ap.
Hazardous decomposition products:	N.Ap.
Conditions of Reactivity:	N.Ap.

6. TOXICOLOGICAL PROPERTIES.

Route of entry -

Skin contact:	should not cause any irritation
Skin Absorption:	N.Ap.
Eye contact:	may cause mechanical irritation and subsequent tearing
Inhalation:	may cause nasal irritation and sneezing
Ingestion:	should not cause a problem

Irritancy of product: see above information

Carcinogenicity of product:

This product contains a minor percentage of Titanium Dioxide, Pigment White 6 (TiO₂). TiO₂ has been classified as Group 2B by IARC and Class 2A-Very Toxic by WHIMIS. IARC considers the product to be possibly carcinogenic to humans based solely on evidence relating to animal (rat and 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 titanium dioxide *itself* has toxic properties that would lead to cancer, nor that it presents a carcinogenic risk to humans at exposures experienced in the workplace.**

Teratogenicity of product:	not known to be
Mutagenicity of product:	not known to be
Reproductive toxicity:	not known to be
Synergistic products:	none known
Effects of acute exposure:	none known
Effects of chronic exposure:	none known

7. PREVENTIVE MEASURES

Personal protective equipment -

Gloves:	work gloves
Respirator:	in dusty conditions use a dust mask
Eye:	safety glasses
Footwear:	as required by the work situation
Clothing:	as required by the work situation
Other:	no special requirements
Engineering controls:	no special requirements other than good industrial practice ventilation
Leak and spill procedures:	damp to prevent dusting and sweep up – place in disposal drum
Waste disposal:	this is a non hazardous material and can be land filled. Consult 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 regulated under Canadian TDG or US Title 49 CFR

8. FIRST AID MEASURES

Inhalation:	If any symptoms are experienced remove victim to fresh air. If any discomfort develops and persists get medical attention.
Skin contact:	No adverse effects expected – area can be washed thoroughly with soap and water. If any irritation develops and persists seek medical attention.
Eye contact:	Holding eyelids well apart, flush with copious amounts of water for at least 15 minutes. If any irritation develops and persists seek medical attention.
Ingestion:	No adverse effects are expected. If any irritation and/or discomfort develops seek medical attention.

9. PREPARATION OF THE MATERIAL SAFETY DATA SHEET

Prepared by: John R. Turner, Chemical Safety Consultant for Jet Ice Limited
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Date of preparation: February, 2011

10. WHMIS SYMBOL THAT SHOULD APPEAR ON THE WARNING LABEL FOR THIS PRODUCT



11. NOTES

IARC – International Agency for Research on Cancer
N.Ap. Not Applicable (reference: Controlled Products Regulations, *Information to be Disclosed on the Material Safety Data Sheet* § 12. (6))
N.Av. Not Available – as the above regulation