MATERIAL SAFETY DATA SHEET

1. PRODUCT INFORMATION FOR: JET BLUE DYE POWDER

USE: ICE PAINT (Industrial use only)

WHMIS CLASS: Not a controlled product

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	%	Exposure Limit	CAS Number	LD_{50}	LC_{50}
FD&C BLUE NO 2	100	3 mg/m3 respirable & 10 mg/m3 total dust	860-22-0	Oral Mouse 2500 mg/kg Oral Rat 2000 mg/kg	Not Indicated

3. PHYSICAL DATA

Physical state:	Blue powder
Odour and appearance:	N. Av.
Odour threshold:	N.Ap.
Vapour pressure:	N.Ap.
Vapour density:	N.Av.
%Volatile	< 13%
Evaporation rate:	N.Av.
Boiling point [°C]:	N.Ap.
Freezing point [°C]:	N.Ap.
pH:	N.Ap.
Coefficient of water/oil distribution:	N.Ap.
Solubility in water (%W/W)	Soluble
Melting Point [°C]	N. Ap

4. FIRE AND EXPLOSION HAZARD

Flammability:	com l.
Means of extinction:	Carbon dioxide, dry chemical, foam, water
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.Ap.
Hazardous combustion products:	N.Ap.
Unusual Fire/Explosion Hazards	None known

Explosion data:

a. Sensitivity to impact:	Not sensitive.
b. Sensitivity to static discharge:	Not sensitive.

Special Fire Fighting Procedures	Use water spray to keep fire-exposed containers cool and absorb heat. Fire fighters Should wear self-contained breathing apparatus and appropriate protective equipment.

5. REACTIVITY DATA

Chemically stable:	Product is stable
Hazardous Polymerization	Will not occur.
Incompatibility with other substances:	None known.
Hazardous decomposition products:	Carbon monoxide and/or carbon dioxide.
Conditions of Reactivity:	N.Ap.

6. TOXICOLOGICAL PROPERTIES.

Route of entry -	Eye contact, skin contact, inhalation, ingestion
Skin contact:	May cause mild irritation to susceptible people.
Eye contact:	May cause eye irritation
Inhalation:	None known. Avoid inhalation.
Ingestion:	Not expected to be a health hazard.
Irritancy of product:	Refer to Route of Entry information
Sensitization of product:	N.Av.
Carcinogenicity of product:	No evidence of carcinogenic effects according to ACGIH or IARC
Teratogenicity of product:	No evidence of teratogen effects.
Mutagenicity of product:	No evidence of mutagenic effects.
Reproductive toxicity:	No evidence of reproductive effects.
Synergistic products:	N.A.
Effects of acute exposure:	N.Av.
Effects of chronic exposure:	N.Av.

7. PREVENTIVE MEASURES

Personal protective equipment -

Gloves:	Wear protective gloves
Respirator:	A NIOSH/OSHA approved dust respirator should be worn. Determine the appropriate type by consulting the respirator manufacturer.
Eye:	safety glasses with sideshields, faceshield, and/or goggles to protect against airborne dust.
Footwear:	as required by the work situation
Clothing:	as required by the work situation
Other:	eye bath
Engineering controls:	Local ventilation may be required during certain Operations to maintain concentrations below recommended exposure limits.
Leak and spill procedures:	Wear protective clothing during cleanup. Avoid creating dust. Dike to prevent entry into sewers and waterways. Absorb spill with a material such as vermiculite. Scrape up and place in a disposal drum.
Waste disposal:	Dispose in a suitable waste treatment facility in compliance with all federal, provincial and local regulations.
Handling procedures and equipment:	Avoid contact with eyes and skin. Avoid inhalation and ingestion. Use under well ventilated conditions. If airborne dust is generated, eliminate all sources of ignition that may come into contact with the dust. Wash skin thoroughly after handling and before eating or smoking. Wash with soap and water.
Storage requirements:	Do not store in open, unlabeled or mislabeled containers. Keep container tightly closed. Store in a cool, dry, well-ventilated area.
Specific shipping information:	Not regulated under Canadian TDG or US Title 49 CFR.

8. FIRST AID MEASURES

Inhalation:	If affected, move to fresh air. In all cases of doubt, or when symptoms persist, seek medical attention.
Skin contact:	Wash affected area immediately with large amounts of soap and water. Remove contaminated clothing and wash before reuse. If any irritation develops or persists seek medical attention.

Eye contact:	Holding eyelids well apart, flush with copious amounts of water for at least 5 minutes. If any irritation develops or persists seek medical attention.
Ingestion:	Treat symptomatically. If necessary, seek medical attention.

9. ECOLOGIAL INFORMATION

Products of Degradation	No specific information is available in our database regarding the degradation of this product.
Biodegradability	Our database contains no additional remark on the biodegradation of this product

10. PREPARATION OF THE MATERIAL SAFETY DATA SHEET

Prepared by:	David Loverock, Vice-President of Jet Ice Limited
Telephone number:	(905) 853.4204
Date of preparation:	November 17, 2011

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

N.Ap.

12. NOTES

N.Ap.	Not Applicable (reference: Controlled Products Regulations, *Information to be Disclosed on the Material Safety Data Sheet* § **12.** (6))
N.Av.	Not Available (reference: Controlled Products Regulations, *Information to be Disclosed on the Material Safety Data Sheet* § **12.** (6))
LD_{59}	Lethal Dose that kill 50% of the test animals in milligrams per kilogram (mg/m^3) of body weight of the test animals.
LC_{50}	Lethal Concentration in air in parts per million (ppm) or milligrams per cubic meter (mg/m^3) that kills 50% of the test animals.
NIOSH	National Institute for Occupational Health and Safety (US)
TLV®	Threshold Limit Value – American Conference of Governmental Industrial Hygienists (ACGIH®)