



# SAFETY DATA SHEET

Revision Date: 07-Jun-2016

Revision Number: 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** RUBBER-BASED SWIMMING POOL PAINT SATIN OCEAN BLUE  
**Product Code** RP-2723F  
**Alternate Product Code** XF0723  
**Product Class** SOLVENT THINNED PAINT  
**Color** Dark blue  
**Recommended use** Paint  
**Restrictions on use** No information available

### Manufactured For

Benjamin Moore & Co., Limited  
8775 Keele Street  
Concord ON L4K 2N1  
Phone: 1-800-361-5898  
insl-x.ca

### Manufacturer

Benjamin Moore & Co.  
101 Paragon Drive  
Montvale, NJ 07645  
Phone: 800-225-5554  
insl-x.com

### Emergency Telephone Number(s)

CANUTEC: 613-996-6666

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the Hazardous Products Regulations (HPR: SOR/2015-17)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 3

### Label elements

#### **Danger**

#### **Hazard statements**

Causes skin irritation  
Causes serious eye irritation  
May cause cancer  
May cause damage to organs through prolonged or repeated exposure  
May be fatal if swallowed and enters airways

Flammable liquid and vapor



**Appearance** liquid

**Odor** solvent

**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Wear eye/face protection  
Do not breathe dust/fume/mist/vapors/spray  
Keep away from heat/sparks/open flames/hot surfaces, no smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof electrical/ventilating/lighting/equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge

**Precautionary Statements - Response**

If exposed or concerned get medical attention

**Eyes**

If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists get medical attention

**Skin**

If skin irritation occurs get medical attention

If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water

Wash contaminated clothing before reuse

**Ingestion**

If swallowed immediately call a POISON CENTER or physician

Do NOT induce vomiting

**Fire**

In case of fire use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other information**

No information available

**3. COMPOSITION INFORMATION ON COMPONENTS**

Chemical Name	CAS-No	Weight % (max)
Nepheline syenite	37244-96-5	30 - 60%
Xylene	1330-20-7	7 - 13%

Titanium dioxide	13463-67-7	3 - 7%
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	3 - 7%
Chlorinated paraffin	63449-39-8	1 - 5%
Ethyl benzene	100-41-4	1 - 5%
4-Chlorobenzotrifluoride	98-56-6	1 - 5%
Naphthalene	91-20-3	0.5 - 1%

#### 4. FIRST AID MEASURES

<b>General Advice</b>	If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration. Call a physician immediately.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Protection Of First-Aiders</b>	Use personal protective equipment.
<b>Most Important Symptoms/Effects</b>	No information available.
<b>Notes To Physician</b>	Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause flash fire.
<b>Suitable Extinguishing Media</b>	Foam, dry powder or water. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Protective Equipment And Precautions For Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Hazardous Combustion Products</b>	Burning may result in carbon dioxide, carbon monoxide and other combustion products of varying composition which may be toxic and/or irritating.
<b>Specific Hazards Arising From The Chemical</b>	Flammable. Flash back possible over considerable distance. Keep product and empty container away from heat and sources of ignition. Closed containers may

rupture if exposed to fire or extreme heat. Thermal decomposition can lead to release of irritating gases and vapors.

**Sensitivity To Mechanical Impact**

No

**Sensitivity To Static Discharge**

Yes

**Flash Point Data**

Flash Point (°F)

80

Flash Point (°C)

27

Flash Point Method

PMCC

**Flammability Limits In Air**

Lower Explosion Limit

Not available

Upper Explosion Limit

Not available

**NFPA** Health: 2 Flammability: 3 Instability: 0 Special: Not Applicable

**NFPA Legend**

- 0 - Not Hazardous
- 1 - Slightly
- 2 - Moderate
- 3 - High
- 4 - Severe

*The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.*

*Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at [www.nfpa.org](http://www.nfpa.org).*

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**

Remove all sources of ignition. Take precautions to prevent flashback. Ground and bond all containers and handling equipment. Take precautionary measures against static discharges. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

**Other Information**

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

**Environmental Precautions**

See Section 12 for additional Ecological Information.

**Methods For Clean-Up**

Dam up. Soak up with inert absorbent material. Use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

**Handling**

Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not breathe vapors or spray mist.

Use only in ventilated areas. Prevent vapor build-up by providing adequate ventilation during and after use.

Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Ignition and/or flash back may occur.

**Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children.

**Incompatible Materials**

Incompatible with strong acids and bases and strong oxidizing agents.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Limits**

*No exposure limits have been established for this product.*

Chemical Name	ACGIH	Alberta	British Columbia	Ontario	Quebec
Nepheline syenite	N/E	N/E	N/E	10 mg/m <sup>3</sup> - TWA	N/E
Xylene	100 ppm - TWA 150 ppm - STEL	100 ppm - TWA 434 mg/m <sup>3</sup> - TWA 150 ppm - STEL 651 mg/m <sup>3</sup> - STEL	100 ppm - TWA 150 ppm - STEL	100 ppm - TWA 150 ppm - STEL	100 ppm - TWAEV 434 mg/m <sup>3</sup> - TWAEV 150 ppm - STEV 651 mg/m <sup>3</sup> - STEV
Titanium dioxide	10 mg/m <sup>3</sup> - TWA	10 mg/m <sup>3</sup> - TWA	10 mg/m <sup>3</sup> - TWA 3 mg/m <sup>3</sup> - TWA	10 mg/m <sup>3</sup> - TWA	10 mg/m <sup>3</sup> - TWAEV
Ethyl benzene	20 ppm - TWA	100 ppm - TWA 434 mg/m <sup>3</sup> - TWA 125 ppm - STEL 543 mg/m <sup>3</sup> - STEL	20 ppm - TWA	20 ppm - TWA	100 ppm - TWAEV 434 mg/m <sup>3</sup> - TWAEV 125 ppm - STEV 543 mg/m <sup>3</sup> - STEV
4-Chlorobenzotrifluoride	2.5 mg/m <sup>3</sup> - TWA	2.5 mg/m <sup>3</sup> - TWA	2.5 mg/m <sup>3</sup> - TWA	2.5 mg/m <sup>3</sup> - TWA	2.5 mg/m <sup>3</sup> - TWAEV
Naphthalene	10 ppm - TWA Skin	10 ppm - TWA 52 mg/m <sup>3</sup> - TWA 15 ppm - STEL 79 mg/m <sup>3</sup> - STEL Substance may be readily absorbed through intact skin	10 ppm - TWA 15 ppm - STEL Skin absorption can contribute to overall exposure.	10 ppm - TWA 15 ppm - STEL Danger of cutaneous absorption	10 ppm - TWAEV 52 mg/m <sup>3</sup> - TWAEV 15 ppm - STEV 79 mg/m <sup>3</sup> - STEV

**Legend**

ACGIH - American Conference of Governmental Industrial Hygienists  
Alberta - Alberta Occupational Exposure Limits  
British Columbia - British Columbia Occupational Exposure Limits  
Ontario - Ontario Occupational Exposure Limits  
Quebec - Quebec Occupational Exposure Limits  
N/E - Not established

**Engineering Measures**

Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

**Eye/Face Protection**

**Skin Protection**

**Respiratory Protection**

Safety glasses with side-shields.

Protective gloves and impervious clothing.

Use only with adequate ventilation. In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified

person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.

**Hygiene Measures**

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	liquid
<b>Odor</b>	solvent
<b>Odor Threshold</b>	No information available
<b>Density (lbs/gal)</b>	12.55 - 12.65
<b>Specific Gravity</b>	1.50 - 1.52
<b>pH</b>	No information available
<b>Viscosity (cps)</b>	No information available
<b>Solubility</b>	No information available
<b>Water Solubility</b>	No information available
<b>Evaporation Rate</b>	No information available
<b>Vapor Pressure</b>	No information available
<b>Vapor Density</b>	No information available
<b>Wt. % Solids</b>	70 - 80
<b>Vol. % Solids</b>	55 - 65
<b>Wt. % Volatiles</b>	20 - 30
<b>Vol. % Volatiles</b>	35 - 45
<b>VOC Regulatory Limit (g/L)</b>	< 340
<b>Boiling Point (°F)</b>	279
<b>Boiling Point (°C)</b>	137
<b>Freezing Point (°F)</b>	No information available
<b>Freezing Point (°C)</b>	No information available
<b>Flash Point (°F)</b>	80
<b>Flash Point (°C)</b>	27
<b>Flash Point Method</b>	PMCC
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper Explosion Limit</b>	Not applicable
<b>Lower Explosion Limit</b>	Not applicable
<b>Autoignition Temperature (°F)</b>	No information available
<b>Autoignition Temperature (°C)</b>	No information available
<b>Decomposition Temperature (°F)</b>	No information available
<b>Decomposition Temperature (°C)</b>	No information available
<b>Partition Coefficient (n-octanol/water)</b>	No information available

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	Not Applicable
<b>Chemical Stability</b>	Stable under normal conditions. Hazardous polymerisation does not occur.
<b>Conditions To Avoid</b>	Keep away from open flames, hot surfaces, static electricity and sources of ignition. Sparks. Elevated temperature.
<b>Incompatible Materials</b>	Incompatible with strong acids and bases and strong

	oxidizing agents.
<b>Hazardous Decomposition Products</b>	Thermal decomposition can lead to release of irritating gases and vapors.
<b>Possibility Of Hazardous Reactions</b>	None under normal conditions of use.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Information on likely routes of exposure

**Principal Routes of Exposure** Eye contact, skin contact and inhalation.

### Acute Toxicity

#### Product Information

Repeated or prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

#### Information on toxicological effects

**Symptoms** No information available

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Eye contact</b>	Contact with eyes may cause irritation.
<b>Skin contact</b>	May cause skin irritation and/or dermatitis. Prolonged skin contact may defat the skin and produce dermatitis.
<b>Inhalation</b>	Harmful by inhalation. High vapor / aerosol concentrations are irritating to the eyes, nose, throat and lungs and may cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects.
<b>Ingestion</b>	Harmful if swallowed. Ingestion may cause irritation to mucous membranes. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.
<b>Sensitization:</b>	No information available.
<b>Neurological Effects</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Reproductive Effects</b>	No information available.
<b>Developmental Effects</b>	No information available.
<b>Target Organ Effects</b>	No information available.
<b>STOT - single exposure</b>	May cause disorder and damage to the. Respiratory system.
<b>STOT - repeated exposure</b>	Causes damage to organs through prolonged or repeated exposure.
<b>Other adverse effects</b>	No information available.
<b>Aspiration Hazard</b>	May be harmful if swallowed and enters airways. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

#### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 15797 mg/kg  
ATEmix (dermal) 6512 mg/kg  
ATEmix (inhalation-dust/mist) 9.7 mg/L

**Component**

Xylene

LD50 Oral: 4300 mg/kg (Rat)  
LD50 Dermal: > 1700 mg/kg (Rabbit)  
LC50 Inhalation (Vapor): 5000 ppm (Rat, 4 hr.)

Titanium dioxide

LD50 Oral: > 10000 mg/kg (Rat)  
Solvent naphtha (petroleum), heavy aromatic  
LD50 Dermal: > 2 mL/kg (Rabbit)  
LC50 Inhalation (Vapor): > 590 mg/m<sup>3</sup> (Rat, 4 hr.)

Chlorinated paraffin

LD50 Oral: 26100 mg/kg (Rat)  
LD50 Dermal: > 10 mL/kg (Rabbit)

Ethyl benzene

LD50 Oral: mg/kg (Rat)  
LD50 Dermal: > mg/kg (Rabbit)  
LC50 Inhalation (Vapor): mg/m<sup>3</sup> (Rat, 2 hr.)

4-Chlorobenzotrifluoride

LD50 Oral: (Rat) mg/kg  
LD50 Dermal: mg/kg (Rabbit)  
LC50 Inhalation (Vapor): mg/L (Rat, 4 hr.)

Naphthalene

LD50 Oral: 969 mg/kg (Rat)  
LD50 Dermal: > 20,000 mg/kg (Rabbit)  
LC50 Inhalation (Vapor): > 340 mg/m<sup>3</sup> (Rat, 1 hr.)

**Chronic Toxicity**

**Carcinogenicity**

The information below indicates whether each agency has listed any ingredient as a carcinogen:

Chemical Name	IARC	NTP
Titanium dioxide	2B - Possible Human Carcinogen	
Chlorinated paraffin	2B - Possible Human Carcinogen	
Ethyl benzene	2B - Possible Human Carcinogen	
Naphthalene	2B - Possible Human Carcinogen	Reasonably Anticipated Human Carcinogen

Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

**Legend**

IARC - International Agency for Research on Cancer  
NTP - National Toxicity Program  
OSHA - Occupational Safety & Health Administration



### **Ecotoxicity Effects**

The environmental impact of this product has not been fully investigated.

### **Product Information**

#### **Acute Toxicity to Fish**

No information available

#### **Acute Toxicity to Aquatic Invertebrates**

No information available

#### **Acute Toxicity to Aquatic Plants**

No information available

#### **Persistence / Degradability**

No information available.

#### **Bioaccumulation / Accumulation**

No information available.

#### **Mobility in Environmental Media**

No information available.

#### **Ozone**

No information available

### **Component**

#### **Acute Toxicity to Fish**

##### Xylene

LC50: 13.5 mg/L (Rainbow Trout - 96 hr.)

##### Titanium dioxide

LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)

##### Ethyl benzene

LC50: 12.1 mg/L (Fathead Minnow - 96 hr.)

#### **Acute Toxicity to Aquatic Invertebrates**

##### Ethyl benzene

EC50: 1.8 mg/L (Daphnia magna - 48 hr.)

#### **Acute Toxicity to Aquatic Plants**

##### Ethyl benzene

EC50: 4.6 mg/L (Green algae (Scenedesmus subspicatus), 72 hrs.)

## 13. DISPOSAL CONSIDERATIONS

### **Waste Disposal Method**

Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

**Empty Container Warning**

Emptied containers may retain product residue. Follow label warnings even after container is emptied. Residual vapors may explode on ignition.

**14. TRANSPORT INFORMATION**

**TDG**

<b>Proper Shipping Name</b>	Paint
<b>Hazard Class</b>	3
<b>UN-No</b>	UN1263
<b>Packing Group</b>	III
<b>Description</b>	UN1263, Paint, 3, III

**ICAO / IATA**

Contact the preparer for further information.

**IMDG / IMO**

Contact the preparer for further information.

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA: United States</b>	Yes - All components are listed or exempt.
<b>DSL: Canada</b>	Yes - All components are listed or exempt.

**National Pollutant Release Inventory (NPRI)**

**NPRI Parts 1- 4**

This product contains the following Parts 1-4 NPRI chemicals:

<u>Chemical Name</u>	<u>CAS-No</u>	<u>Weight % (max)</u>	<u>NPRI Parts 1- 4</u>
Xylene	1330-20-7	7 - 13%	Listed
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	3 - 7%	Listed
Ethyl benzene	100-41-4	1 - 5%	Listed
4-Chlorobenzotrifluoride	98-56-6	1 - 5%	Listed
Naphthalene	91-20-3	0.5 - 1%	Listed

**NPRI Part 5**

This product contains the following NPRI Part 5 Chemicals:

<u>Chemical Name</u>	<u>CAS-No</u>	<u>Weight % (max)</u>	<u>NPRI Part 5</u>
Xylene	1330-20-7	7 - 13%	Listed
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	3 - 7%	Listed

**WHMIS Regulatory Status**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

## 16. OTHER INFORMATION

HMIS - Health: 2\* Flammability: 3 Reactivity: 0 PPE: -

### HMIS Legend

- 0 - Minimal Hazard
- 1 - Slight Hazard
- 2 - Moderate Hazard
- 3 - Serious Hazard
- 4 - Severe Hazard
- \* - Chronic Hazard

X - Consult your supervisor or S.O.P. for "Special" handling instructions.

Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by logging onto Health Canada @ [http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked\\_questions-questions\\_posees-eng.php](http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked_questions-questions_posees-eng.php).

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**Revision Date:** 07-Jun-2016  
**Reason For Revision** Not available

### Disclaimer

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**END OF SAFETY DATA SHEET**