

Revision Date: 24-Jun-2022 Revision Number: 4

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name EPOXY SWIMMING POOL PAINT BLACK

Product Code

Alternate Product Code
Product Class
Color

Recommended use

IG-4020F

HC2174

epoxy

Black

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

www.inslx.ca

Manufacturer

Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645

Phone: 1-866-708-9180

www.insl-x.com

Emergency Telephone

CHEMTREC: +1 703-741-5970 / 1-800-424-9300

+1 703-527-3887 (outside US & Canada)

CANUTEC: 613-996-6666 (Transport Emergency Only)

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 2A
Skin sensitization	Category 1
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 3

Label elements

Danger			
Hazard statements			

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Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

Suspected of causing cancer

Suspected of damaging fertility or the unborn child

May cause respiratory irritation

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

Contaminated work clothing should not be allowed out of the workplace

Do not breathe dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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

Keep cool

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/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 advice/attention

Skin

If skin irritation or rash occurs: Get medical advice/attention

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/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 container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

No information available

IMPORTANT: Designed to be mixed with other components. Mixture will have hazards of all components. Before opening packages, read all warning labels. Follow all precautions.

3. COMPOSITION INFORMATION ON COMPONENTS

Chemical name	CAS No.	Weight-%	Hazardous Material	Date HMIRA filed and
		3		date exemption granted
			registry number (HMIRA	
			registry #)	, ,,
Kaolin	1332-58-7	10 - 30%	-	-
Xylene	1330-20-7	10 - 30%	-	-
Ethyl benzene	100-41-4	1 - 5%	-	-
Propylene glycol monomethyl ether	107-98-2	1 - 5%	-	-
Propylene glycol monomethyl ether acetate	108-65-6	1 - 5%	-	-
2-Pentanone, 4-methyl-	108-10-1	1 - 5%	-	-
Carbon black	1333-86-4	1 - 5%	-	-
Phenol,	90-72-2	0.5 - 1%	-	-
2,4,6-tris[(dimethylamino)methyl				
]-				
1,2-Ethanediamine, polymer with aziridine,	398475-96-2	0.25 - 0.5%	-	-
N-[3-[(2-ethylhexyl)oxy]-3-oxopr				
opyl] derivatives, compounds				
with polyethylene-polypropylene				
glycol monobutyl ether				
phosphate				
Toluene	108-88-3	0.1 - 0.25%	-	-
Bis[(dimethylamino)methyl]	71074-89-0	0.1 - 0.25%	-	-
phenol				

Confidential Business Information note

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General Advice

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

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Eye Contact

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

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symptoms persist, call a physician.

Skin Contact Wash off immediately with soap and plenty of water

removing all contaminated clothes and shoes. If skin

irritation persists, call a physician.

Inhalation Move to fresh air. If symptoms persist, call a physician.

If not breathing, give artificial respiration. Call a physician

immediately.

Ingestion 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.

Protection Of First-AidersUse personal protective equipment.

Most Important Symptoms/Effects No information available.

Notes To Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties Vapors may travel considerable distance to a source of

ignition and flash back. Vapors may cause flash fire.

Suitable Extinguishing Media Foam, dry powder or water. Use extinguishing measures

that are appropriate to local circumstances and the

surrounding environment.

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus

pressure-demand, MSHA/NIOSH (approved or equivalent)

and full protective gear.

Hazardous combustion products

Burning may result in carbon dioxide, carbon monoxide

and other combustion products of varying composition

which may be toxic and/or irritating.

Specific Hazards Arising From The Chemical 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
Method PMCC

Flammability Limits In Air

Lower flammability limit:Not availableUpper flammability 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.

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

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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 precautionsSee Section 12 for additional Ecological Information.

Methods for Cleaning 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

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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

Chemical name	ACGIH TLV	Alberta	British Columbia	Ontario	Quebec
Kaolin	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	2 mg/m³ - TWA	2 mg/m³ - TWA	2 mg/m³ - TWA	5 mg/m³ - TWAEV
Xylene	STEL: 150 ppm TWA: 100 ppm	100 ppm - TWA 434 mg/m³ - TWA 150 ppm - STEL 651 mg/m³ - STEL	100 ppm - TWA 150 ppm - STEL	100 ppm - TWA 150 ppm - STEL	100 ppm - TWAEV 434 mg/m³ - TWAEV 150 ppm - STEV 651 mg/m³ - STEV
Ethyl benzene	TWA: 20 ppm	100 ppm - TWA 434 mg/m³ - TWA 125 ppm - STEL 543 mg/m³ - STEL	20 ppm - TWA	20 ppm - TWA	100 ppm - TWAEV 434 mg/m³ - TWAEV 125 ppm - STEV 543 mg/m³ - STEV
Propylene glycol monomethyl ether	STEL: 100 ppm TWA: 50 ppm	100 ppm - TWA 369 mg/m³ - TWA 150 ppm - STEL 553 mg/m³ - STEL	50 ppm - TWA 100 ppm - STEL	50 ppm - TWA 100 ppm - STEL	100 ppm - TWAEV 369 mg/m³ - TWAEV 150 ppm - STEV 553 mg/m³ - STEV
Propylene glycol monomethyl ether acetate	N/E	N/E	50 ppm - TWA 75 ppm - STEL	50 ppm - TWA 270 mg/m³ - TWA	N/E
2-Pentanone, 4-methyl-	STEL: 75 ppm TWA: 20 ppm	50 ppm - TWA 205 mg/m³ - TWA 75 ppm - STEL 307 mg/m³ - STEL	20 ppm - TWA 75 ppm - STEL	20 ppm - TWA 75 ppm - STEL	50 ppm - TWAEV 205 mg/m³ - TWAEV 75 ppm - STEV 307 mg/m³ - STEV
Carbon black	TWA: 3 mg/m³ inhalable particulate matter	3.5 mg/m³ - TWA	3 mg/m³ - TWA	3 mg/m³ - TWA	3.5 mg/m ³ - TWAEV
Toluene	TWA: 20 ppm	50 ppm - TWA 188 mg/m³ - TWA Substance may be readily absorbed through intact skin	20 ppm - TWA Adverse reproductive effect	20 ppm - TWA	50 ppm - TWAEV 188 mg/m³ - TWAEV Skin absorption can contribute to overall exposure.

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

Respiratory Protection

Skin Protection

Eye/Face Protection Tightly fitting safety goggles If splashes are likely to occur,

wear: 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

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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

Appearance liquid Odor solvent

Odor Threshold No information available

Density (lbs/gal) 9.0 - 9.3

Specific Gravity 1.08 - 1.12

pHNo information availableViscosity (cps)No information availableSolubility(ies)No information availableWater solubilityNo information available

Evaporation Rate
Vapor pressure
No information available
No information available

Vapor densityWt. % Solids
No information available
60 - 70

 Vol. % Solids
 55 - 65

 Wt. % Volatiles
 30 - 40

 Vol. % Volatiles
 35 - 45

 VOC Regulatory Limit (q/L)
 < 340</td>

VOC Regulatory Limit (g/L)< 340</th>Boiling Point (°F)237Boiling Point (°C)114

Freezing point (°F)

No information available

No information available

Flash point (°F) 80
Flash Point (°C) 27
Method PMCC

Flammability (solid, gas)
Upper flammability limit:
Not applicable
Lower flammability limit:
Not applicable

Autoignition Temperature (°F)No information availableAutoignition Temperature (°C)No information availableDecomposition Temperature (°F)No information availableDecomposition Temperature (°C)No information availablePartition coefficientNo information available

10. STABILITY AND REACTIVITY

Reactivity Not Applicable

Chemical Stability Stable under normal conditions. Hazardous polymerisation

does not occur.

Conditions to avoid Keep away from open flames, hot surfaces, static

electricity and sources of ignition. Sparks. Elevated

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temperature.

Incompatible Materials Incompatible with strong acids and bases and strong

oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating

gases and vapors.

Possibility of hazardous reactions 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.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available

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

Eye contactContact with eyes may cause irritation.

Skin contact May cause skin irritation and/or dermatitis. Prolonged skin

contact may defat the skin and produce dermatitis.

Inhalation 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.

Ingestion 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. No information available.

SensitizationNo information available.Neurological EffectsNo information available.Mutagenic EffectsNo information available.

Reproductive Effects Possible risk of impaired fertility. Possible risk of harm to

the unborn child.

Developmental Effects Target organ effects

STOT - single exposure

STOT - repeated exposure

Other adverse effects **Aspiration Hazard**

No information available. No information available.

May cause disorder and damage to the, Respiratory

system.

Causes damage to organs through prolonged or repeated

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exposure.

No information available.

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) 11413 mg/kg 5231 mg/kg **ATEmix (dermal)** 5.9 mg/L ATEmix (inhalation-dust/mist) ATEmix (inhalation-vapor) 276.9 mg/L

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Kaolin 1332-58-7	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
Xylene 1330-20-7	= 3500 mg/kg (Rat)	> 4350 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h
Ethyl benzene 100-41-4	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 17.4 mg/L (Rat) 4 h
Propylene glycol monomethyl ether 107-98-2	= 5000 mg/kg (Rat)	= 13 g/kg(Rabbit)	> 7559 ppm (Rat) 6 h
Propylene glycol monomethyl ether acetate 108-65-6	= 8532 mg/kg(Rat)	> 5 g/kg(Rabbit)	-
2-Pentanone, 4-methyl- 108-10-1	= 2080 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	2000 - 4000 ppm (Rat) 4 h
Carbon black 1333-86-4	> 15400 mg/kg(Rat)	> 3 g/kg(Rabbit)	-
Phenol, 2,4,6-tris[(dimethylamino)methyl]- 90-72-2	= 1200 mg/kg(Rat)	= 1280 mg/kg(Rat)	-
Toluene 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	-

Chronic Toxicity

Carcinogenicity

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

Chemical name	IARC	NTP	
	2B - Possible Human Carcinogen		
Ethyl benzene	_		
	2B - Possible Human Carcinogen		
2-Pentanone, 4-methyl-			
	2B - Possible Human Carcinogen		
Carbon black			

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Legend

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

12. ECOLOGICAL INFORMATION

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

There is no data for this product.

Mobility in Environmental Media

No information available.

Ozone

No information available

Component Information

Acute Toxicity to Fish

Xylene

LC50: 13.5 mg/L (Rainbow Trout - 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.

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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

Proper Shipping Name Paint
Hazard class 3
UN-No. UN1263
Packing Group III

Description 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

TSCA: United StatesYes - All components are listed or exempt.
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:

Chemical name	CAS No.	Weight-%	NPRI Parts 1-4
Xylene	1330-20-7	10 - 30%	Listed
Ethyl benzene	100-41-4	1 - 5%	Listed
2-Pentanone, 4-methyl-	108-10-1	1 - 5%	Listed
Toluene	108-88-3	0.1 - 0.25%	Listed

NPRI Part 5

This product contains the following NPRI Part 5 Chemicals:

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Chemical name	CAS No.	Weight-%	NPRI Part 5
Xylene	1330-20-7	10 - 30%	Listed
Propylene glycol monomethyl ether acetate	108-65-6	1 - 5%	Listed
2-Pentanone, 4-methyl-	108-10-1	1 - 5%	Listed
Toluene	108-88-3	0.1 - 0.25%	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 at

http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked questions-questions posees-eng.php.

Prepared By Product Stewardship Department

Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 800-225-5554

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Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown

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End of Safety Data Sheet