

INSLX

SAFETY DATA SHEET

Revision Date: 24-Jun-2022

Revision Number: 4

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name EPOXY SWIMMING POOL PAINT BLACK
Product Code IG-4020F
Alternate Product Code HC2174
Product Class epoxy
Color Black
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
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

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 Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|--|-------------|-------------|--|---|
| 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, 2,4,6-tris[(dimethylamino)methyl]- | 90-72-2 | 0.5 - 1% | - | - |
| 1,2-Ethanediamine, polymer with aziridine, N-[3-[(2-ethylhexyl)oxy]-3-oxopropyl] derivatives, compounds with polyethylene-polypropylene glycol monobutyl ether phosphate | 398475-96-2 | 0.25 - 0.5% | - | - |
| Toluene | 108-88-3 | 0.1 - 0.25% | - | - |
| Bis[(dimethylamino)methyl]phenol | 71074-89-0 | 0.1 - 0.25% | - | - |

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.

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 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-Aiders | Use 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 |

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**

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

Tightly fitting safety goggles If splashes are likely to occur, wear: Safety glasses with side-shields.

Skin Protection

Protective gloves and impervious clothing.

Respiratory Protection

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

| | |
|---------------------------------------|--------------------------|
| Appearance | liquid |
| Odor | solvent |
| Odor Threshold | No information available |
| Density (lbs/gal) | 9.0 - 9.3 |
| Specific Gravity | 1.08 - 1.12 |
| pH | No information available |
| Viscosity (cps) | No information available |
| Solubility(ies) | No information available |
| Water solubility | No information available |
| Evaporation Rate | No information available |
| Vapor pressure | No information available |
| Vapor density | No information available |
| Wt. % Solids | 60 - 70 |
| Vol. % Solids | 55 - 65 |
| Wt. % Volatiles | 30 - 40 |
| Vol. % Volatiles | 35 - 45 |
| VOC Regulatory Limit (g/L) | < 340 |
| Boiling Point (°F) | 237 |
| Boiling Point (°C) | 114 |
| Freezing point (°F) | No information available |
| Freezing Point (°C) | No information available |
| Flash point (°F) | 80 |
| Flash Point (°C) | 27 |
| Method | PMCC |
| Flammability (solid, gas) | Not applicable |
| Upper flammability limit: | Not applicable |
| Lower flammability limit: | Not applicable |
| Autoignition Temperature (°F) | No information available |
| Autoignition Temperature (°C) | No information available |
| Decomposition Temperature (°F) | No information available |
| Decomposition Temperature (°C) | No information available |
| Partition coefficient | No 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 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 contact | Contact 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. |
| Sensitization | No information available. |
| Neurological Effects | No information available. |
| Mutagenic Effects | No 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

No information available.
 No information available.
 May cause disorder and damage to the, Respiratory system.

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Other adverse effects
Aspiration Hazard

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 |
| ATEmix (dermal) | 5231 mg/kg |
| ATEmix (inhalation-dust/mist) | 5.9 mg/L |
| 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 |
|------------------------|--------------------------------|-----|
| Ethyl benzene | 2B - Possible Human Carcinogen | |
| 2-Pentanone, 4-methyl- | 2B - Possible Human Carcinogen | |
| Carbon black | 2B - Possible Human Carcinogen | |

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 InvertebratesEthyl benzene

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

Acute Toxicity to Aquatic PlantsEthyl 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

| | |
|-----------------------------|-----------------------|
| 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 States Yes - All components are listed or exempt.
DSL: Canada 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-%</u> | <u>NPRI Parts 1- 4</u> |
|------------------------|----------------|-----------------|------------------------|
| 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:

above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

End of Safety Data Sheet