



Pyramic® Base Coat

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision Date: 10/06/2014 Date of issue: 06/01/2015

Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: Pyramic® Base Coat

Product Code: 7469

Intended Use of the Product

Acrylic base coat

Name, Address, and Telephone of the Responsible Party

Manufacturer

The Garland Company, Inc.
3800 East 91st Street
Cleveland, Ohio 44105-2197
T-800-762-8225
F-216-641-0633

www.garlandco.com

Supplier

The Garland Company, Inc.
3800 East 91st Street
Cleveland, Ohio 44105-2197
T-800-762-8225
F-216-641-0633

www.garlandco.com

Emergency Telephone Number

Emergency number : 1-800-762-8225 24 hours

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Skin Irrit. 2 H315

Eye Irrit. 2A H319

STOT SE 3 H335

STOT RE 2 H373

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Warning

Hazard Statements (GHS-US)

: H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H373 - May cause damage to organs (kidneys) through prolonged or repeated exposure (oral)

Precautionary Statements (GHS-US)

: P261 - Avoid breathing mist, spray, vapors
P264 - Wash hands, forearms, and exposed areas thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear eye protection, protective gloves
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312 - Call a POISON CENTER/doctor/physician if you feel unwell
P321 - Specific treatment (see Section 4)
P332+P313 - If skin irritation occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention

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P362 - Take off contaminated clothing and wash before reuse
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
P405 - Store locked up
P501 - Dispose of contents/container according to local, regional, national, and international regulations

Other Hazards

Other Hazards Not Contributing to the Classification: Not available

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

| Name | Product identifier | % (w/w) | Classification (GHS-US) |
|---|---------------------|---------|---|
| Acrylic Polymer Solution | | 20 - 40 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 |
| Ethylene glycol | (CAS No) 107-21-1 | 1 - 5 | Acute Tox. 4 (Oral), H302 STOT RE 2, H373 |
| Cellulose, 2-hydroxyethyl ether | (CAS No) 9004-62-0 | 0.1 - 1 | Comb. Dust Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 |
| Pentapotassium triphosphate | (CAS No) 13845-36-8 | 0.1 - 1 | Comb. Dust Acute Tox. 4 (Oral), H302 |
| 2,2,4-Trimethylpentane-1,3-diol monoisobutyrate | (CAS No) 25265-77-4 | 0.1 - 1 | Aquatic Acute 3, H402 |

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion: Rinse mouth. Do NOT induce vomiting.

Most Important Symptoms and Effects Both Acute and Delayed

General: Irritation to eyes, skin and respiratory tract. Causes damage to organs (kidneys) (Oral).

Inhalation: May cause respiratory irritation. May cause drowsiness or dizziness.

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: Ingestion may cause nausea, vomiting and diarrhea.

Chronic Symptoms: Causes damage to organs through prolonged or repeated exposure.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam, water spray, fog.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

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Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Not available

Firefighting Instructions: Exercise caution when fighting any chemical fire.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Oxides of aluminum. Oxides of titanium.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Handle in accordance with good industrial hygiene and safety practice.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Absorb and/or contain spill with inert material.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Wash hands and forearms thoroughly after handling.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Incompatible Materials: None known.

Storage Temperature: > 0 °C (32°F)

Specific End Use(s) Acrylic base coat

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

| Ethylene glycol (107-21-1) | | |
|-----------------------------------|------------------------------------|-----------------------|
| Mexico | OEL Ceiling (mg/m ³) | 100 mg/m ³ |
| USA ACGIH | ACGIH Ceiling (mg/m ³) | 100 mg/m ³ |
| Alberta | OEL Ceiling (mg/m ³) | 100 mg/m ³ |
| British Columbia | OEL Ceiling (mg/m ³) | 100 mg/m ³ |
| British Columbia | OEL Ceiling (ppm) | 50 ppm |
| British Columbia | OEL STEL (mg/m ³) | 20 mg/m ³ |
| British Columbia | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Manitoba | OEL Ceiling (mg/m ³) | 100 mg/m ³ |
| New Brunswick | OEL Ceiling (mg/m ³) | 100 mg/m ³ |
| Newfoundland & Labrador | OEL Ceiling (mg/m ³) | 100 mg/m ³ |
| Nova Scotia | OEL Ceiling (mg/m ³) | 100 mg/m ³ |
| Nunavut | OEL Ceiling (mg/m ³) | 127 mg/m ³ |

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| | | |
|-----------------------|----------------------------------|-----------------------|
| Nunavut | OEL Ceiling (ppm) | 50 ppm |
| Nunavut | OEL STEL (mg/m ³) | 20 mg/m ³ |
| Nunavut | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Northwest Territories | OEL Ceiling (mg/m ³) | 127 mg/m ³ |
| Northwest Territories | OEL Ceiling (ppm) | 50 ppm |
| Northwest Territories | OEL STEL (mg/m ³) | 20 mg/m ³ |
| Northwest Territories | OEL TWA (ppm) | 10 ppm |
| Ontario | OEL Ceiling (mg/m ³) | 100 mg/m ³ |
| Prince Edward Island | OEL Ceiling (mg/m ³) | 100 mg/m ³ |
| Québec | PLAFOND (mg/m ³) | 127 mg/m ³ |
| Québec | PLAFOND (ppm) | 50 ppm |
| Saskatchewan | OEL Ceiling (mg/m ³) | 100 mg/m ³ |
| Yukon | OEL STEL (mg/m ³) | 325 mg/m ³ |
| Yukon | OEL STEL (ppm) | 125 ppm |
| Yukon | OEL TWA (mg/m ³) | 250 mg/m ³ |
| Yukon | OEL TWA (ppm) | 100 ppm |

Titanium dioxide (13463-67-7)

| | | |
|-------------------------|-------------------------------------|--|
| Mexico | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Mexico | OEL STEL (mg/m ³) | 20 mg/m ³ |
| USA ACGIH | ACGIH TWA (mg/m ³) | 10 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 15 mg/m ³ |
| USA IDLH | US IDLH (mg/m ³) | 5000 mg/m ³ |
| Alberta | OEL TWA (mg/m ³) | 10 mg/m ³ |
| British Columbia | OEL TWA (mg/m ³) | 3 mg/m ³ |
| Manitoba | OEL TWA (mg/m ³) | 10 mg/m ³ |
| New Brunswick | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Newfoundland & Labrador | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Nova Scotia | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Nunavut | OEL TWA (mg/m ³) | 10 mg/m ³ (total mass) |
| Northwest Territories | OEL TWA (mg/m ³) | 10 mg/m ³ (total mass) |
| Ontario | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Prince Edward Island | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Québec | VEMP (mg/m ³) | 10 mg/m ³ (containing no Asbestos and <1% Crystalline silica) |
| Saskatchewan | OEL STEL (mg/m ³) | 20 mg/m ³ |
| Saskatchewan | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Yukon | OEL STEL (mg/m ³) | 20 mg/m ³ |
| Yukon | OEL TWA (mg/m ³) | 10 mg/m ³ |

Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment: Gloves. Protective goggles.



Materials for Protective Clothing: Not available

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

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Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

| | |
|---|---|
| Physical State | : Liquid |
| Appearance | : White |
| Odor | : Slight |
| Odor Threshold | : Not available |
| pH | : Not available |
| Relative Evaporation Rate (butylacetate=1) | : Not available |
| Melting Point | : Not available |
| Freezing Point | : Not available |
| Boiling Point | : 100 °C (212°F) |
| Flash Point | : Not available |
| Auto-ignition Temperature | : < 204 (400°F) |
| Decomposition Temperature | : Not available |
| Flammability (solid, gas) | : Not available |
| Lower Flammable Limit | : Not available |
| Upper Flammable Limit | : Not available |
| Vapor Pressure | : > 1 mm Hg |
| Relative Vapor Density at 20 °C | : < 1 |
| Relative Density | : Not available |
| Specific Gravity | : Not available |
| Solubility | : Soluble in water |
| Partition coefficient: n-octanol/water | : Not available |
| Viscosity | : Not available |
| Explosion Data – Sensitivity to Mechanical Impact | : Not expected to present an explosion hazard due to mechanical impact. |
| Explosion Data – Sensitivity to Static Discharge | : Not expected to present an explosion hazard due to static discharge. |

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Stable at standard temperature and pressure.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures.

Incompatible Materials: None known.

Hazardous Decomposition Products: When heated, material emits irritating fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Causes skin irritation.

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Teratogenicity: Not available

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): May cause damage to organs (kidneys) through prolonged or repeated exposure (oral).

Reproductive Toxicity: Not classified

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Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: May cause respiratory irritation. May cause drowsiness or dizziness.

Symptoms/Injuries After Skin Contact: Causes skin irritation.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation.

Symptoms/Injuries After Ingestion: Ingestion may cause nausea, vomiting and diarrhea.

Chronic Symptoms: Causes damage to organs through prolonged or repeated exposure.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

| Aluminum hydroxide (Al(OH)3) (21645-51-2) | |
|---|---------------|
| LD50 Oral Rat | > 5000 mg/kg |
| Water (7732-18-5) | |
| LD50 Oral Rat | > 90000 mg/kg |
| Ethylene glycol (107-21-1) | |
| LD50 Oral Rat | 4000 mg/kg |
| LD50 Dermal Rabbit | 3500 mg/kg |
| Pentapotassium triphosphate (13845-36-8) | |
| LD50 Oral Rat | 2000 mg/kg |
| Titanium dioxide (13463-67-7) | |
| LD50 Oral Rat | > 10000 mg/kg |
| 2,2,4-Trimethylpentane-1,3-diol monoisobutyrate (25265-77-4) | |
| LD50 Oral Rat | 3200 mg/kg |
| LD50 Dermal Rat | > 15200 mg/kg |
| Titanium dioxide (13463-67-7) | |
| IARC Group | 2B |

SECTION 12: ECOLOGICAL INFORMATION

Toxicity Not classified

| Ethylene glycol (107-21-1) | |
|---|--|
| LC50 Fish 1 | 41000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss) |
| EC50 Daphnia 1 | 46300 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC 50 Fish 2 | 14 - 18 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| 2,2,4-Trimethylpentane-1,3-diol monoisobutyrate (25265-77-4) | |
| LC50 Fish 1 | 30 mg/l (Exposure time: 96 h - Species: Pimephales promelas) |

Persistence and Degradability

| Pyramic® | |
|-------------------------------|------------------|
| Persistence and Degradability | Not established. |

Bioaccumulative Potential

| Pyramic® | |
|---------------------------|------------------|
| Bioaccumulative Potential | Not established. |

| Ethylene glycol (107-21-1) | |
|-----------------------------------|-------|
| Log Pow | -1.93 |

| 2,2,4-Trimethylpentane-1,3-diol monoisobutyrate (25265-77-4) | |
|---|-----------------|
| Log Pow | 3.47 (at 25 °C) |

Mobility in Soil Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

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SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT Not regulated for transport

14.2 In Accordance with IMDG Not regulated for transport

14.3 In Accordance with IATA Not regulated for transport

14.4 In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Aluminum hydroxide (Al(OH)₃) (21645-51-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Water (7732-18-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Cellulose, 2-hydroxyethyl ether (9004-62-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Ethylene glycol (107-21-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on SARA Section 313 (Specific toxic chemical listings)

EPA TSCA Regulatory Flag

Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

SARA Section 313 - Emission Reporting

1.0 %

Pentapotassium triphosphate (13845-36-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Titanium dioxide (13463-67-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

2,2,4-Trimethylpentane-1,3-diol monoisobutyrate (25265-77-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations

Titanium dioxide (13463-67-7)

U.S. - California - Proposition 65 - Carcinogens List

WARNING: This product contains chemicals known to the State of California to cause cancer.

Ethylene glycol (107-21-1)

RTK - U.S. - Massachusetts - Right To Know List

RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

RTK - U.S. - Pennsylvania - RTK (Right to Know) List

Titanium dioxide (13463-67-7)

RTK - U.S. - Massachusetts - Right To Know List

RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

RTK - U.S. - Pennsylvania - RTK (Right to Know) List

Canadian Regulations

Pyramic®

WHMIS Classification

Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
Class D Division 2 Subdivision B - Toxic material causing other toxic effects

