

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.18.2019

Page 1 of 11

EPO Patch & Grout/Resurfacer, Medium Grey "A" 100%

SECTION 1: Identification

Product identifier

Product name: EPO Patch & Grout/Resurfacer, Medium Grey "A" 100%

Recommended use of the product and restriction on use

Relevant identified uses: Not determined or not applicable.

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

United States

Dynamis Epoxy Systems

415 E. Venice Avenue

Venice, FL 34285

941.488.3999

Emergency telephone number:

United States

ChemTel

(888)-255-3924 (24 hours)

SECTION 2: Hazard(s) identification

GHS classification:

Eye irritation, category 2A

Skin sensitization, category 1

Carcinogenicity, category 1B

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H319 Causes serious eye irritation

H317 May cause an allergic skin reaction

H350 May cause cancer

Precautionary statements:

P264 Wash hands thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P272 Contaminated work clothing must not be allowed out of the workplace

P201 Obtain special instructions before use

P202 Do not handle until all safety precautions have been read and understood

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.18.2019

Page 2 of 11

EPO Patch & Grout/Resurfacer, Medium Grey "A" 100%

P337+P313 If eye irritation persists: Get medical advice/attention
P333+P313 If skin irritation or rash occurs: Get medical advice/attention
P321 Specific treatment (see supplemental first aid instructions on this label)
P363 Wash contaminated clothing before reuse
P308+P313 IF exposed or concerned: Get medical advice/attention
P405 Store locked up
P501 Dispose of contents/container in accordance with local regulations.

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 13463-67-7	Titanium Dioxide	5-10
CAS number: 25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran	70-80
CAS number: 91-20-3	Naphthalene	0.01-0.5
CAS number: 68477-30-5	Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling	15-20
CAS number: N/A	Bisphenol A Epoxy Resin	<0.1
CAS number: N/A	Epoxy Diluent	<0.1

Additional Information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA hazard Communication Standard (29 CFR §1910.1200).

SECTION 4: First aid measures

Description of first aid measures

General notes:

Show this Safety Data Sheet to the doctor in attendance.

After inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention.

After skin contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

After eye contact:

Rinse eyes with plenty of gently flowing lukewarm water for 15 minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.18.2019

Page 3 of 11

EPO Patch & Grout/Resurfacer, Medium Grey "A" 100%

After swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Symptoms related to eye exposure may include irritation, redness, pain, inflammation, itching, burning and tearing.

Symptoms related to skin exposure may include irritation, redness, pain, rash, inflammation, itching, burning and dermatitis.

Delayed symptoms and effects:

Effects are dependent on exposure (dose, concentration, contact time).

Exposure may cause cancer.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Not determined or not applicable.

Unsuitable extinguishing media:

Do not use water jet as an extinguisher.

Specific hazards during fire-fighting:

Evacuate all personnel to a predetermined safe location, no less than 2,500 feet in all directions. Can explode or detonate under fire conditions. Burning material may produce toxic vapors.

Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA)

Special precautions:

Avoid inhaling gases, fumes, mist, dust, vapor or aerosols. Avoid contact with eyes, skin, hair or clothing.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Shut off all possible sources of ignition and avoid friction and impact.

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Environmental precautions:

Avoid discharge into drains, water courses or onto the ground. Prevent further leakage if safe to do so. Inform authorities if spill cannot be contained.

Methods and material for containment and cleaning up:

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.18.2019

Page 4 of 11

EPO Patch & Grout/Resurfacer, Medium Grey "A" 100%

suitable, covered, labelled containers for disposal.

Reference to other sections:

For further information refer to section 7 and section 13.

SECTION 7: Handling and storage

Precautions for safe handling:

Not determined or not applicable.

Conditions for safe storage, including any incompatibilities:

Store in cool location. Keep away from food and beverages. Protect from freezing and physical damage.

Provide ventilation for containers. Keep container tightly sealed. Store away from incompatible materials.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
NIOSH	Titanium Dioxide	13463-67-7	IDLH: 5000 mg/m ³
	Naphthalene	91-20-3	TWA: 10 ppm
	Naphthalene	91-20-3	TWA: 50 mg/m ³
	Naphthalene	91-20-3	STEL: 15 ppm
	Naphthalene	91-20-3	STEL: 75 mg/m ³
ACGIH	Titanium Dioxide	13463-67-7	8-Hour TWA: 10 mg/m ³
	Naphthalene	91-20-3	TWA: 10 ppm
	Naphthalene	91-20-3	STEL: 15 ppm
OSHA	Titanium Dioxide	13463-67-7	PEL: 15 mg/m ³ ((total dust) (Table Z-1))
	Titanium Dioxide	13463-67-7	8-Hour TWA: 10 mg/m ³ ((total dust) (Table Z-1-A))
United States	Naphthalene	91-20-3	TWA: 10 ppm
	Naphthalene	91-20-3	TWA: 50 mg/m ³

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Not determined or not applicable.

Appropriate engineering controls:

Effective ventilation in all processing areas.

Personal protection equipment

Eye and face protection:

Not determined or not applicable.

Skin and body protection:

Impervious clothing and chemical resistant gloves

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory protection

General hygienic measures:

Not determined or not applicable.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.18.2019

Page 5 of 11

EPO Patch & Grout/Resurfacer, Medium Grey "A" 100%

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Opaque liquid, various color
Odor	Light epoxy
Odor threshold	Not Applicable
pH	7.3
Melting point/freezing point	Not Applicable
Initial boiling point/range	Not Applicable
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Nil
Flammability (solid, gas)	Not Applicable
Upper flammability/explosive limit	Not Applicable
Lower flammability/explosive limit	Not Applicable
Vapor pressure	1 mm Hg
Vapor density	Not Applicable
Density	1.08 g/cm ³
Relative density	1.013 (Water = 1.0)
Solubilities	Water, negligible
Partition coefficient (n-octanol/water)	Not Applicable
Auto/Self-ignition temperature	Not Applicable
Decomposition temperature	Not Applicable
Dynamic viscosity	5750 cps
Kinematic viscosity	Not Applicable
Explosive properties	Not Applicable
Oxidizing properties	Not Applicable

Other information

SECTION 10: Stability and reactivity

Reactivity:

Stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability:

Stable under normal storage and handling conditions.

Possibility of hazardous reactions:

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid:

None known.

Incompatible materials:

Strong oxidizing agents.

Hazardous decomposition products:

None known.

SECTION 11: Toxicological information

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.18.2019

Page 6 of 11

EPO Patch & Grout/Resurfacer, Medium Grey "A" 100%

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
Titanium Dioxide	oral	LD50 Mouse: > 5000 mg/kg
	inhalation	LC50 Rat: 5.09 mg/L (4 hr)
Naphthalene	oral	LD50 Rat: 490 mg/kg
	dermal	LD50 Rabbit: >2500 mg/kg
	inhalation	LC50 Rat: 340 mg/m ³ (1 hr.)
Bisphenol A Epoxy Resin	oral	LD50 Rat: 11400 mg/kg
	dermal	LD50 Rabbit: >2000 mg/kg
Epoxy Diluent	oral	LD50 Rat: 17100 mg/kg

Skin corrosion/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

Name	Result
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran	Causes skin irritation.
Bisphenol A Epoxy Resin	Causes skin irritation.

Serious eye damage/irritation

Assessment:

Causes serious eye irritation.

Product data:

No data available.

Substance data:

Name	Result
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran	Causes serious eye irritation.
Bisphenol A Epoxy Resin	Causes serious eye irritation.
Epoxy Diluent	Causes eye irritation.

Respiratory or skin sensitization

Assessment:

May cause an allergic skin reaction.

Product data:

No data available.

Substance data:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.18.2019

Page 7 of 11

EPO Patch & Grout/Resurfacer, Medium Grey "A" 100%

Name	Result
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran	May cause an allergic skin reaction.
Bisphenol A Epoxy Resin	May cause an allergic skin reaction.
Epoxy Diluent	May cause an allergic skin reaction.

Carcinogenicity

Assessment:

May cause cancer.

Product data: No data available.

Substance data:

Name	Species	Result
Titanium Dioxide	Not applicable.	Airborne, unbound particles of respirable size are known to cause cancer.
Naphthalene		Suspected of causing cancer.
Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling	Not Applicable	May cause cancer

International Agency for Research on Cancer (IARC):

Name	Classification
Titanium Dioxide	Group 2B
Naphthalene	Group 2B

National Toxicology Program (NTP):

Name	Classification
Naphthalene	Reasonably anticipated to be human carcinogens

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.18.2019

Page 8 of 11

EPO Patch & Grout/Resurfacer, Medium Grey "A" 100%

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran	EC50 Scenedesmus capricornutum: 9 mg/L (48 H)
Naphthalene	LC50 Opossum Shrimp: 0.85 mg/L (96h)
Bisphenol A Epoxy Resin	LC50 -: 1.2-3.6 mg/L (96 Hours)
	LC50 -: 1.1-2.8 mg/L (48 Hours)
	EC50 -: >11 mg/L (72 Hours)
Epoxy Diluent	LC50 -: >100 mg/L (96 Hours)
	EC50 -: 6-7 mg/L (48 Hours)
	EC50 -: >100 mg/L (72 Hours)

Chronic (long-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
Titanium Dioxide	Degradation/biodegradation testing is not relevant for metals and metal compounds that are not (bio)degradable, including titanium dioxide.
Bisphenol A Epoxy Resin	Not readily biodegradable.
Epoxy Diluent	Readily biodegradable.

Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

Mobility in soil

Product data: No data available.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.18.2019

Page 9 of 11

EPO Patch & Grout/Resurfacer, Medium Grey "A" 100%

Substance data: No data available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory agencies. Dispose of in accordance with all applicable local, regional, state and federal regulations.

Contaminated packages:

Not determined or not applicable.

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

13463-67-7	Titanium Dioxide	Listed
25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran	Listed

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.18.2019

Page 10 of 11

EPO Patch & Grout/Resurfacer, Medium Grey "A" 100%

91-20-3	Naphthalene	Listed
68477-30-5	Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling	Listed
N/A	Bisphenol A Epoxy Resin	Listed
N/A	Epoxy Diluent	Listed

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 extremely hazardous substances: None of the ingredients are listed.

SARA Section 313 toxic chemicals:

13463-67-7	Titanium Dioxide	Not Listed
25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran	Not Listed
91-20-3	Naphthalene	Listed
68477-30-5	Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling	Not Listed

CERCLA:

91-20-3	Naphthalene	Listed	100
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RCRA:

91-20-3	Naphthalene	Listed	U165
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Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

Massachusetts Right to Know:

13463-67-7	Titanium Dioxide	Listed
25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran	Not Listed
91-20-3	Naphthalene	Listed
68477-30-5	Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling	Not Listed

New Jersey Right to Know:

13463-67-7	Titanium Dioxide	Listed
25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran	Not Listed
91-20-3	Naphthalene	Listed
68477-30-5	Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling	Not Listed

New York Right to Know:

13463-67-7	Titanium Dioxide	Listed
25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran	Not Listed
91-20-3	Naphthalene	Listed
68477-30-5	Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling	Not Listed

Pennsylvania Right to Know:

13463-67-7	Titanium Dioxide	Listed
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Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.18.2019

Page 11 of 11

EPO Patch & Grout/Resurfacer, Medium Grey "A" 100%

25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran	Not Listed
91-20-3	Naphthalene	Listed
68477-30-5	Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling	Not Listed

California Proposition 65:

⚠WARNING: This product can expose you to chemicals including Titanium Dioxide and Naphthalene which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 2-0-0

HMIS: 2*-0-0

Initial preparation date: 07.18.2019

End of Safety Data Sheet