

# SAFETY DATA SHEET

===== SECTION 1 - IDENTIFICATION =====

MANUFACTURER:	Diamapro Systems, Inc.	EMERGENCY PHONE:	1-800-424-9300
ADDRESS :	325 West Front Street	INFORMATION PHONE:	1-800-622-2048
	Erie, PA 16507	NAME OF PREPARER:	Safety Director

**PRODUCT NAME: Diamapro Diama-Grout 2.0 B Poly**  
**PRODUCT CODE: DPDG2.0B**

===== SECTION 2 - HAZARDS IDENTIFICATION =====

**Classification of the substance or mixture:**



GHS08 Health hazard

Carc. 1B	H350 May cause cancer.
Eye Irrit. 2B	H320 Causes eye irritation.
Aquatic Acute 3	H402 Harmful to aquatic life.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

**Label elements:**

**GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms:**



GHS08

**Signal word:**        Danger

**Hazard-determining components of labeling:**

Titanium Dioxide  
 Carbon black  
 Distillates (petroleum), solvent-refined heavy paraffinic

**Hazard statements:**

H320	Causes eye irritation.
H350	May cause cancer.
H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

**Precautionary statements:**

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P273	Avoid release to the environment.
P264	Wash thoroughly after handling.
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.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

**Unknown acute toxicity:**

46.5 % of the mixture consists of component(s) of unknown toxicity.

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**Classification system:**
**NFPA ratings (scale 0 - 4)**

Health = 1

Fire = 1

Reactivity = 0

**HMIS-ratings (scale 0 - 4)**

Health = \*1

Fire = 1

Reactivity = 0

**Hazard(s) not otherwise classified (HNOC): None known**

===== SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS =====

**Chemical characterization: Mixtures**
**Description: Mixture: consisting of the following components.**
**Dangerous Components:**

CAS: 9082-00-2	Glycerol, propylene oxide, ethylene oxide polymer Eye Irrit. 2B, H320	60-80%
CAS: 13463-67-7	Titanium Dioxide Carc. 2, H351; Acute Tox. 4, H332	1-5%
CAS: 1318-02-1	Zeolite (Crystalline Aluminosilicate) Eye Irrit. 2A, H319; STOT SE 3, H335	3-5%
CAS: 1333-86-4 RTECS: FF 5150100	Carbon black Carc. 2, H351; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	2-12%
CAS: 64741-88-4	Distillates (petroleum), solvent-refined heavy paraffinic Carc. 1B, H350	≤ 2.5%
CAS: 1314-13-2 RTECS: ZH 4810000	Zinc Oxide Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≤ 2.5%

===== SECTION 4 - FIRST AID MEASURES =====

**Description of first aid measures:**
**General information:**

Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

**After inhalation:**

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:** Wash with soap and water.

**After eye contact:**

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** If swallowed and symptoms occur, consult a doctor.

**Information for doctor:**
**Most important symptoms and effects, both acute and delayed: No further relevant information available.**
**Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

===== SECTION 5 - FIRE AND EXPLOSION HAZARD DATA =====

**Extinguishing media:**
**Suitable extinguishing agents:**
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
**Special hazards arising from the substance or mixture:**

Thermal decomposition will produce toxic oxides of carbon.

**Advice for firefighters:**
**Protective equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

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### ===== SECTION 6 - ACCIDENTAL RELEASE MEASURES =====

**Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

**Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/surface or ground water.

**Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

**Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### =====SECTION7 HANDLING AND STORAGE=====

**Handling**

**Precautions for safe handling:**

Avoid contact with skin, eyes and clothing

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

**Information about protection against explosions and fires: Keep protective respiratory device available.**

**Conditions for safe storage, including any incompatibilities:**

**Storage**

**Requirements to be met by storerooms and receptacles:** Store in a cool, dry place.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** Keep receptacle tightly sealed.

**Specific end use(s):** No further relevant information available.

### ===== SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION =====

**Additional information about design of technical systems: No further data; see section 7.**

**Control parameters:**

**Components with occupational exposure limits:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

**1333-86-4 Carbon black**

PEL Long-term value: 3.5 mg/m<sup>3</sup>

REL Long-term value: 3.5\* mg/m<sup>3</sup>

\*0.1 in presence of PAHs; See Pocket Guide Apps.A+C

TLV Long-term value: 3\* mg/m<sup>3</sup>

\*inhalable fraction

**64741-88-4 Distillates (petroleum), solvent-refined heavy paraffinic**

TWA Short-term value: 1 mg/m<sup>3</sup>

Long-term value: 3 mg/m<sup>3</sup>

**Additional information: The lists that were valid during the creation of this SDS were used as basis.**

**Exposure controls:**

**Personal protective equipment:**

**General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

**Breathing equipment:**

NIOSH/OSHA or EN approved respiratory protection is recommended for use in airborne concentrations exceeding exposure limits.

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**Protection of hands:**  
Protective gloves

**Material of gloves:** Rubber, latex or vinyl.

**Penetration time of glove material:**  
The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

**Eye protection:**  
Tightly sealed goggles

===== SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES =====

**Information on basic physical and chemical properties**

**General Information**

**Appearance:**  
**Form:** Liquid  
**Color:** Grey  
**Odor:** Odorless  
**Odor threshold:** Not determined.

**Change in condition**  
**Melting point/Melting range:** Not determined.  
**Boiling point/Boiling range:** 101 °C (214 °F)  
**Flash point:** 136 °C (277 °F)  
**Flammability (solid, gaseous):** Not applicable.  
**Ignition temperature:** 398 °C (748 °F)  
**Decomposition temperature:** Not determined.  
**Auto igniting:** Product is not self-igniting.  
**Danger of explosion:** Product does not present an explosion hazard.  
**Explosion limits:**  
**Lower:** 0.5 Vol %  
**Upper:** 3.1 Vol %  
**Vapor pressure:** Not determined.  
**Density @ 20 °C (68 °F):** 1.29 g/cm<sup>3</sup> (10.765 lbs/gal)  
**Relative density:** Not determined.  
**Vapor density:** Not determined.  
**Evaporation rate:** Not determined.

**Solubility in / Miscibility with:**  
**Water:** Not miscible or difficult to mix.  
**Partition coefficient (n-octanol/water):** Not determined.

**Viscosity:**  
**Dynamic:** Not determined.  
**Kinematic:** Not determined.

**Solvent content:**  
**Organic solvents:** 0.0 %  
**Solids content:** 17.9 %

**Other information:** No further relevant information available.

===== SECTION 10 - STABILITY AND REACTIVITY DATA =====

**Reactivity:** No further relevant information available.  
**Chemical stability:** Stable under normal conditions.  
**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.  
**Possibility of hazardous reactions:** No dangerous reactions known.  
**Conditions to avoid:** No further relevant information available.  
**Incompatible materials:** No further relevant information available.  
**Hazardous decomposition products:** No further relevant information available.

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===== SECTION 11 - TOXICOLOGICAL INFORMATION =====

**Information on toxicological effects:**

**Acute toxicity:**

**LD/LC50 values that are relevant for classification:**

**6846-50-0 2,2,4-Trimethyl-1,3-pentanediol diisobutyrate**

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

**13463-67-7 Titanium Dioxide**

Oral	LD50	>10000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

**1318-02-1 Zeolite (Crystalline Aluminosilicate)**

Oral	LD50	>10.000 mg/kg (rat)
Dermal	LD50	>2.000 mg/kg (rabbit)

**1333-86-4 Carbon black**

Oral	LD50	10000 mg/kg (rat)
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**1314-13-2 Zinc Oxide**

Oral	LD50	> 5000 mg/kg (rat)
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**Primary irritant effect:**

**On the skin:** No irritating effect.

**On the eye:** Irritating effect.

**Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

- Harmful
- Irritant
- Carcinogenic

**Carcinogenic categories:**

**IARC (International Agency for Research on Cancer):**

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

(b) OSHA does not regulate Titanium Dioxide as a carcinogen. However, under 29 CFR 1910.1200 the SDS must convey the fact that Titanium Dioxide is a potential carcinogen to rats.

Substance listed by IARC. In 1995 IARC concluded, "There is inadequate evidence in humans for the carcinogenicity of carbon black." Based on rat inhalation studies, IARC concluded that there is "sufficient evidence in experimental animals for the carcinogenicity of carbon black" resulting in their classifying carbon black as "possibly carcinogenic to humans (Group 2B).

13463-67-7 Titanium Dioxide	2B
1318-02-1 Zeolite (Crystalline Aluminosilicate)	3
1333-86-4 Carbon black	2B

**NTP (National Toxicology Program):**

None of the ingredients are listed.

None of the ingredients are listed.

===== SECTION 12 - ECOLOGICAL INFORMATION =====

**Toxicity:**

**Aquatic toxicity:**

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

**6846-50-0 2,2,4-Trimethyl-1,3-pentanediol diisobutyrate**

EC50	>7.49 mg/l (Green algae)
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**13463-67-7 Titanium Dioxide**

EC50	>1000 mg/l (Water flea)
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**Persistence and degradability:** No further relevant information available.

**Behavior in environmental systems:**

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**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

**Ecotoxicological effects:**

**Remark:** Harmful to fish

**Additional ecological information:**

**General notes:**

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

Harmful to aquatic organisms

**Results of PBT and vPvB assessment:**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects:** No further relevant information available.

===== SECTION 13 - DISPOSAL CONSIDERATIONS =====

**Waste treatment methods:**

**Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Observe all federal, state and local environmental regulations when disposing of this material.

**Uncleaned packagings**

**Recommendation:** Disposal must be made according to official regulations.

===== SECTION 14 - TRANSPORT INFORMATION =====

**UN-Number:**

**DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material

**UN proper shipping name:**

**DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material

**Transport hazard class(es):**

**DOT, ADR, ADN, IMDG, IATA**

**Class:** Non-Regulated Material

**Packing group:**

**DOT, ADR, IMDG, IATA** Non-Regulated Material

**Environmental hazards:** Not applicable.

**Special precautions for user:** Not applicable.

**Transport in bulk according to Annex II of**

**MARPOL73/78 and the IBC Code:** Not applicable.

**UN "Model Regulation":** Non-Regulated Material

===== SECTION 15 - REGULATORY INFORMATION =====

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**SARA (Superfund Amendments and Reauthorization):**

**Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

**Section 313 (Specific toxic chemical listings):**

1314-13-2 Zinc Oxide

**TSCA (Toxic Substances Control Act):**

9082-00-2 Glycerol, propylene oxide, ethylene oxide polymer

6846-50-02, 2,4-Trimethyl-1,3-pentanediol diisobutyrate

13463-67-7 Titanium Dioxide

1333-86-4 Carbon black

64741-88-4 Distillates (petroleum), solvent-refined heavy paraffinic

64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic

64742-75-2 Naphthenic oils (petroleum), complex dewaxed heavy

1314-13-2 Zinc Oxide

**California Proposition 65:**

**Chemicals known to cause cancer:**

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13463-67-7 Titanium Dioxide  
 1333-86-4 Carbon black

**Chemicals known to cause reproductive toxicity for females:**  
 None of the ingredients are listed.

**Chemicals known to cause reproductive toxicity for males:**  
 None of the ingredients are listed.

**Chemicals known to cause developmental toxicity:**  
 None of the ingredients are listed.

**New Jersey Right-to-Know List:**  
 13463-67-7 Titanium Dioxide  
 1333-86-4 Carbon black  
 1314-13-2 Zinc Oxide

**New Jersey Special Hazardous Substance List:**  
 1333-86-4 Carbon black CA

**Pennsylvania Right-to-Know List:**  
 None of the ingredients are listed.

**Pennsylvania Special Hazardous Substance List:**  
 1314-13-2 Zinc Oxide E

**Carcinogenic categories:**

**EPA (Environmental Protection Agency):**  
 1314-13-2 Zinc Oxide

D, I, II

**TLV (Threshold Limit Value established by ACGIH):**

13463-67-7 Titanium Dioxide  
 1333-86-4 Carbon black

A4  
 A4

**NIOSH-Ca (National Institute for Occupational Safety and Health):**

13463-67-7 Titanium Dioxide  
 1333-86-4 Carbon black

**GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms:**



GHS08

**Signal word:** Danger

**Hazard-determining components of labeling:**

Titanium Dioxide  
 Carbon black  
 Distillates (petroleum), solvent-refined heavy paraffinic

**Hazard statements:**

H320 Causes eye irritation.  
 H350 May cause cancer.  
 H402 Harmful to aquatic life.  
 H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements:**

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P273 Avoid release to the environment.  
 P264 Wash thoroughly after handling  
 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.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P337+P313 If eye irritation persists: Get medical advice/attention.

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P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

=====OTHER INFORMATION=====

**Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 NIOSH: National Institute for Occupational Safety  
 OSHA: Occupational Safety & Health  
 TLV: Threshold Limit Value  
 PEL: Permissible Exposure Limit  
 REL: Recommended Exposure Limit  
 BEI: Biological Exposure Limit  
 Acute Tox. 4: Acute toxicity, Hazard Category 4  
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
 Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A  
 Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B  
 Carc. 1B: Carcinogenicity, Hazard Category 1B  
 Carc. 2: Carcinogenicity, Hazard Category 2  
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
 Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1  
 Aquatic Acute 3: Hazardous to the aquatic environment - AcuteHazard, Category 3  
 Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1  
 Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

Prepared By: S. Thome  
 Revision Date: 5/18/2023

The information herein is based on data considered to be accurate. However, no warranty is expressed or implied regarding the accuracy of these data or results. Also this shall not establish a legally valid contractual relationship.

Vendor assumes no responsibility for injury to vendee or third person proximately caused if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in use of the material.

Our products are intended for sale to industrial and commercial customers. We encourage customers to inspect and test our products before use and to satisfy themselves as to suitability for their specific applications.

**Warranty:** The manufacturer warrants that products sold comply with specifications as represented and will perform satisfactorily if used according to the directions, or the manufacturer will refund or replace any unused portion thereof, for a period of one year from the date of manufacture. The manufacturer does not make any other warranty, or assume responsibility of any kind, expressed or implied regarding the effect or result of the products use; and assumes no responsibility of injury to vendee or third parties proximately caused by the material if reasonable safety procedures are not adhered to.